SEQUENCE LISTING

<110> Salceda, Susana
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<120> Compositions and Methods Relating to Ovary Specific Genes and
Proteins

<130> DEX-0279

<150> 60/252,061
<151> 2000-11-20

<150> 60/253,257
<151> 2000-11-27

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<170> PatentIn version 3.1

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tgaacccggg aggcggagct tgcagtgagc cgagttcgca ccactgcact ccagcctggg      240

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<213>    Homo sapien

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caacaaaaaa agcgcttggg ggggaaccaa ggggccaaag gggggtcccc cgggggggac     600

cagtggggtt ccccggccca caaattcccg cccaaaatag ggggtacaac aggaagacac     660
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cagaaggaga ctccatctca aaaaaagaa aaaaaggtaa ggccggactc agtggctcac        180

acttgtaatc tcagncactt cgggaggagg ctgaggcagg cagattgctt gcgcttagga       240

gttcaggact gaactaggca acatggagaa accatgtctc tacaaaatat aaaaaaatta       300

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gatcaagacc atcctggcta acacggtgaa accccatctc tactaaaaat acaaaaaatt       600

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aatggcgtga acccgggagg tggagcttgc agtgagccga gattgcacca ctgcactcca       720

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tatgagactg cgggtggcag ggccattgag gacacgcaat ggtcagaatc aactattgaa       180

gagctcgtcc gcatggtgct agaactaggg tgaggaacct ttcccaagtc tccccagagt       240

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cacaaacaac cacacacacc acaagatgac gcgcaaaaca cacacagagc agaccaacac   240

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caatcgacag ccacaatgat atacaaacac acgatcaaac tccacgacgg ccacgctcac   360

aacgaccaca aggcgaagaa gaaagacagc cacaaccaga cgagggcgaa gaaagaaggg   420

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gtcgataaag aaaaaaacaa acgcagaaaa ggaccaaaag agagcggaga acagaaggac   900

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<213> Homo sapien

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gcccattctc tctccatatc accccccaaa aattttttgcc accccaacac ttcaacacta     180

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aggtcccatc tgatgccgag gctgaaggag tctcgctccc acgagtccct gctcagcccc     240
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cgcccattct ctctccatat caccccccaa aaattttttgc caccccaaca cttcaacact    4080

attttgtttt attttttctta ttaatataag acggcaggaa tgtcaggcct ctgagcccaa    4140

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aaagaagtgt aaatggccgg tccttgcttt aagtgatgac attaccttgt gaaagtcctt    4320

ttcctggctc atcctggctc aaaaatcacc cccactgagc accttgcaac ccccactcct    4380

gcctgccaga gaacaaaccc tctttgactg taattttcct ttacctaccc aaatcctata    4440

aaacggcccc acccttatct cccttcgctg actctctttt cggactcagc ccgcctgcac    4500

ccaggtgaaa taaacagcca cgttgctcac aaaaaaaaaa aaaaaaaaa aaagggccgg    4560

gggaaccggg gccaaaagcg tcccggtggg aatggttccc cgccccaatc acccaaaaaa    4620

aaaaggagga aaaaaaaagc                                                  4640
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<210>    13
<211>    760
<212>    DNA
<213>    Homo sapien

<220>
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<222>    (602)..(602)
<223>    a, c, g or t


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gtgtgatgga tcggccgccc gggcaggtac ggtattggtt ggtggaaatg taaattagca     120

caaccactat ggagaacagt ttggaggatc ttcaaaaaac taaaaataga gctaccatat     180

gatccagcaa ttccactgct aggtatatac ccaaaagaaa ggaaattaga tgtggaagag     240

atgtctgcac tcttatgttt attgcagcac tgttcacaat agccaagatt tggaagcaat     300

gtaagtgtct accaacagac gaacggataa agaaaaggtg gggccgggcg tggtggctca     360

tgcctgtaat cccagcactt tgggaggccg aggcagatca cctgaggtca gaagtttgag     420

aacagcctgg ccaatatgga gaaaccccat ctttactaaa atacaaaaat tagctgggcg     480
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tggtggcgca cacctgtagt cccagctact cgggaggctg aggcaggaga attgcttgaa    540

cctgggaggc agagattgca gtgagccaag attgtgggca cagagcaaga ctccctctca    600

anaaaggagt aaattatacc aaaaccagca aaaaaaaaaa aaaagcctct gggggaaccc    660

ggggcccaaa gctgttcccg gtgtgaaatt ttttcccgcc cacattccca caatgcacaa    720

acacaaaatt cgcaaatgaa acctaaaagg atggaacaaa                          760
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<211>  604
<212>  DNA
<213>  Homo sapien

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<222>  (414)..(414)
<223>  a, c, g or t


<220>
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<223>  a, c, g or t


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gaaatcatgc cactgcactc tacccggggt aacaaagcaa gactccatca aaaaaaagag    180

aagagagaaa agaaaagttg ggtaattatt tagggaaagc tatacagaat aagtagaagt    240

tggccaggtg aagtcgggga ggatgattat ttaagcagaa agaaatattt acccagtatg    300

gtgtgttggg cagagggaca cttctcacga ggaacacctg tatggaggct gccccctgtg    360

gcgggaaaga aacccaccgt gaacagcggc tgtgaaaaag cgtgggggga tacngnccat    420

gtaggctcat taaggctgtg ctttctcccg tgggtggtgg aaagatgtgt gcgttatctc    480

cggctctcca caaattcctc caccaacaac cattccgcgc caaggaacca aaagggtgga    540

aagaagcaac caaaccaaga agacagaaaa agagaaaaca aaacaaaaa aacaaaaaa    600

aggg                                                                604
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<210>  15
<211>  974
<212>  DNA
<213>  Homo sapien

<400>  15
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aagtcaggct gaaagaacac tttgcagtga tcggccttgt cacaaggtgc ataaaccttt     180

tacacggaga gtgtctttca cagaggtatg ggatcgaggt ccacgttgcg tctctcagga     240

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gactaggatt cgtgcagata taccggttcc tagggtttcg ctacatatca tagggtccat     360

catacttccc ggcaaatagc atttcttgat tgcactgaaa ctactgcata gagtagttct     420

tgggaggaat ccttgcatgc gcgtactgta agtataggg ttcgatccat ccaactttga      480

ttaaatgatg ccaattgcat tcctgctcgt atgaaggtca gaagtagctc gggtggcgcc     540

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ttgctccgct tcgtctcctc tcttgttctc tccatgaaag tcattttggg ggcgggaaaa     660

attgggttgg cgttcggtaa ttccaatggg tttacttcct tggttggttg aaaacaggtc     720

tcggtatata tcccgttttt cctactatga gattttcccc ggctagcaaa gcaatacggg     780

aggagccaag gagaacacac agaaacagag ggaaaaaaaa aatagaaaga aagaaaaca      840

aaaacaagcg cgcgtggtgt ggggggggtac acacaccgtg gtggtgccaa aatggggggtt     900

tttcccccgt gtggggtggt gagaaaatgt gttatttcac cccgggctcc ccacaattct     960

cccccccgga acaa                                                       974
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<211>   863
<212>   DNA
<213>   Homo sapien

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<222>   (93)..(93)
<223>   a, c, g or t


<220>
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<222>   (222)..(222)
<223>   a, c, g or t


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agggagggat atattcaggt ggtgtggacg ccaatgctct ctcagggtgt gaaaaggagc     180
```

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cctgtggcac caacaacaaa acgcagagac tctccaagag cncctcctct ccatatatgt      240

ggacgagaga tatctcacac gccgtggggg agataactct catgtggtct catatagcgc      300

gtgtgttccg cgtgtgtgtg tagaaatgtg tgtgtatatc tgccggtcac tcacacatat      360

ctctcacaca cacaacaaca catataagcg ggaaaaaaca aagttgccca agatatgagg      420

cacattcaat tccacacaaa acatatcacg cagtctaggt ggcacaagaa acatagatca      480

acgacatagt gcgacctata tcgacaactc gacaccaata ttatagcaac acacaatagg      540

gacaaagaga ggataccaat tgtgccattt gaacccatt agcgaatatc cattatgagt      600

gatcaaaggc gatacacaat tccaacccag gcagatgaaa aaatagagaa gaggatgatc      660

aaaaagagag gagactgttt aaacccccaa tacaagagac aaccatgtac aataaaccac      720

cgaatcaggg gacatgataa aaaatgatcc cacaggtaaa caatttatac ccacaagtcg      780

gacaacaacc aaaccttagt gcgtcaccag atggcccacc ggatatatat aaacagcata      840

aacaggaaat tggagcacat act                                             863
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<210>   17
<211>   510
<212>   DNA
<213>   Homo sapien

<400>   17
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cccacacatt ttcaagggaa aaccttggtt atgttcaata catgtatttt aaaactgagg      180

gaagtatgtc ctttctgaga gattgtcatc aacatggata actgaaaggt tttgatgctt      240

aaaaggataa gctccaaata tctggaacat tcacttgcat atatcactac atttcccaat      300

agtatttgtt aaattaaacc ttaggtaata aagtgctagg gttctttttc ctgttctaac      360

gaagtgaata tcataaatca attcattaga acaggaaaaa aaaaaaaaaa aaaaaaaaaa      420

aaaggctggg ggtaccctgg ggccaaagcg gtccccgggg ggaattggtt tccgcccaa      480

attcccccca aaaacaaaa aaaaggtgcc                                        510
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<210>   18
<211>   947
<212>   DNA
<213>   Homo sapien

<400>   18
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gaaagccagg tattgtccaa ggtttctccc catgtgatag tctgaaatat ggcctcgtgg      120
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gaagggaaag acctgaccgt cccccccagcc cgacacccgt aaagggtctg tgctgaggag    180

gattagtgta agaagaagga acgcctcttt gcagttgaga caagaggaag gcatctgtct    240

ccttcccgtc cctgggcaat ggaatgtctc ggtataaaac ctgattgtat gttccatcta    300

cttaggggga aaccgcctta gggctggaga tgggacatgc gggcagcaat actgctcttt    360

aaggcattga gatgtttatg tgtatgcata tctaaaccac agcacttaat tctttacctt    420

gtctatgatg cagagacctt tgttcaggtg tttgtctgct gacctctcca caattatcct    480

atgaccctgc cacgtccccc tctccgagaa acacccaaga atgatcaata aatactaagg    540

gaactcagag gccggcggga tcctccatat gctgaacgct ggtccccttg gccccccta    600

tttctttctc ttataagaca aaaaaaaaac aaaaaaaaag cctggggggta accctggccc    660

aagcgctggt ccccgtgggt tggaaaattt tttctgcgct cccatgctac cacaaaacaa    720

caacacaaca aaacaaaagt gtatgacaac aagagagcga gaaagaacaa acaaaaagaa    780

gagtaggaga acacgccata aacaagaata atgacaacat cacaagaaag caacaacacg    840

aacaacacat caaacactcg agaaaaagag aacaacaaag aaacacaaca gacacaacac    900

aagcactcaa accaaccagg acaacatcaa ctcacagata cacagga              947
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<210> 19
<211> 854
<212> DNA
<213> Homo sapien

<400> 19
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gagctgtcct cttacagcat aggacggcac cataagggac atgtcggata gagatttcac    180

aagacgaaga actgccgcct gagctagttc agaatgtcca ggagggccag ttactaggtt    240

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atgtactgtg tagacaaggc atcagatcgc acgaagcgaa gctactcacg gtctcgcgta    360

acggcacagg ccatgagaac ggctacagca atgcagtcta taatagagac gtgcaatggg    420

cggtgatgct aatggcacct agcaagaggg catggaccgt ataggcaaca acgatttgtc    480

gaaagcctcg ttgagcatgt gttcgaggct ccctcgagtt tggttgtgaa aaacggctga    540

taactgtgca ggatttttaga tttcttcaag atacatggga ttgggagtta tccagactac    600

caggaacaac aaaacaaaaa aaaaaaacaa agaaggctcg tggggggggac ccaaagggcc    660

gaaacgcggt gttccccggg ggtgggagaa agaggagaga cgcggggggcg agaaaaattc    720
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tccccccaaa atcaggggcg gccacaacag acatatgtgg atacgagaaa acaaaagaaa      780

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gagaaaagaa aaaa                                                        854
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<210> 20
<211> 564
<212> DNA
<213> Homo sapien

<220>
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<222> (99)..(99)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (108)..(108)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (112)..(113)
<223> a, c, g or t

<220>
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<222> (519)..(519)
<223> a, c, g or t

<220>
<221> misc_feature
<222> (557)..(557)
<223> a, c, g or t

<400> 20
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tgagaaacat cgcccattct ctctccatat caccccccaa aaattttgc caccccaaca       180

cttcaacact attttgtttt attttctta ttaatataag acggcaggaa tgtcaggcct       240

ctgagcccaa gccaagccat cgcatcccct gtgacttgca cgtatatgcc cagatggcct      300

gaagtaactg aagaatcaca aaagaagtga atatgctctg ccccacctta actgatgacc      360

ttccaccaca aaagaagtgt aaatggccgg tccttgcttt aagtgatgac attaccttgt      420

gaaagtcctt ttcctggctc atcctggctc aaaaatcacc cccactgagc accttagcaa      480
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aaatcctata aaacggnccc accc   564

<210> 21
<211> 5606
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (301)..(301)
<223> a, c, g or t

<400> 21
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ggaacatctc accaatttta aatccggagc ttgctacact tgctggaaat ctggccactg   180

ggcaaggaat gcccgcagcc cgggattcct cctaagccgc gtcccgtctg tgtgggaccc   240

cactgaaaat cggactgttc aactcacctg gcagccactc ccagagcccc tggaactctg   300

nccaaggctc tctgactgac tccttcccag atcttctcgg cttagcggct gaagactgac   360

actgcccgat cgcctcgtga gccccctaga ccatcacgga tgccgagctt cgggtaactc   420

tcacagtgga aggttcccac gccgccccta atcccgctcg aagcagccct gagaaacatc   480

gcccattctc tctccatatc accccccaaa aattttgcc accccaacac ttcaacacta   540

ttttgtttta tttttcttat taatataaga cggcaggaat gtcaggcctc tgagcccaag   600

ccaagccatc gcatcccctg tgacttgcac gtatatgccc agatggcctg aagtaactga   660

agaatcacaa aagaagtgaa tatgctctgc cccaccttaa ctgatgacct tccaccacaa   720

aagaagtgta aatggccggt ccttgcttta agtgatgaca ttaccttgtg aaagtccttt   780

tcctggctca tcctggctca aaaatcaccc ccactgagca ccttgcaacc cccactcctg   840

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aacggcccca cccttatctc ccttcgctga ctctcttttc ggactcagcc cgcctgcacc   960

caggtgaaat aaacagcttt atggctcaca caaagcctgt ttggtggtct cttcacacgg   1020

acgtgcatga aatttggtgc cgtgactcga atcgggggac ctcccttggg agatcaatcc   1080

cccgtcctcc tgctctttgc tccctgagaa agatccacct acgacctcag gtcctcagac   1140

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ccgtggaccc aaaactctgg tgccggtcac ggactcagga aggcagcctt cccttggtgt   1260

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gctggttttt tgaaaggatc aacaaaattg atagaccgct agcaagacta ataaagaaaa    1980

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aagaagctga atctctgaat agaccaataa caggatctga aattgtggca ataatcaata    2220

gcttaccaac caaaaagagt ccaggaccag atggattcac agccgaattc taccagaggt    2280

acaaggagga actggtacca ttccttctga aactattcca atcaatagaa aaagagggaa    2340

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caaccaaaaa agagaatttt agaccaatat ccttgatgaa cactgatgca aaaatcctca    2460

ataaaatact gacaaaccga atccagcagc acatcaaaaa gcttatccac catgatcaag    2520

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tgattgtata tctagaaaac cccattgtct cagcccaaaa tctccttaag ctgataagca    3000
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gaatcaatat catgaaaatg gccatactgc ccagggtaat ttacagattc aatgccatcc   3240

ccatcaagct accaatgcct ttcttcacag aattggaaaa aactacttta aagttcatat   3300

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19

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acttctcaca tgggggagtt aagccatttg agtgcttaac atgtggagta gcttgggctg    4980

atgcccgatc tctaaaacgc catgtcagaa cacatactgg tgaacggccc tatgtctgtc    5040

ctgtatgtag cgaagcctac atagatgctc gaacactccg ccctgaaatc ctgaagagat    5100

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<212>  DNA
<213>  Homo sapien

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caaggacttg aatagactcc ttcttaagag gatatgcaat tggccaataa gcttctaacc    180

agaattctgg ttttcactaa tcattaagga aatgctaatc aaaaccacaa gataccacct    240

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tcaattggga actcttgtat actgtcggtg ggaaagtgaa atgtgtatag ccactgtgga    360

caatgttcag tcctcaaaaa attaaagcta gaattggcca aatgaaccag caattccact    420

tctgggtata tgcccaaaga aaacagggct gggcgcagtg cttacactt gtgatcccag     480

cactttggga ggccaagttg gggcggatca caaggttcgg agatcgagac catcctggcc    540

aacatggtga aacccccgtctt ctactaagat tgaaaaaatt agctgggcgt ggtggctggc    600

acctgtaatc ccggcccgtt tgacagtcaa ggccgggtgg ataacctgag gtcagagagt    660

tccagaccag cttggccaat gttggcaaaa ccctggtctc tcttagatcc aaattaggtt    720
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taagcgcaag gttgcta   797

<210> 23
<211> 666
<212> DNA
<213> Homo sapien

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aattcctctg ccttgggatc ctgttgatct gtgaccttac ccctcaaccc tgtgctctct   240

gaaacatgtg cgtgtgtcca ctcagggtta aatggattaa cgggcaggtg caatgatgtg   300

ctttgttaaa gcagatgctt gagggcagca tgctcgctta agagtcatca ccaaatccct   360

aatctcatag taatcaggga cacaaacact gtcggaaggc cgcagggctc ctctgcctag   420

tgaaaaccag agaccctttg ttcacttgtt tatctgctga ccgttccgct ccactattgt   480

cccatgaccc gctgccaatg ttatcccctc tgtgaagaag acacccaatg aacttatcta   540

ataggaaaaa aaaaaaaaa aaaagggttg gggtggaccc tgggccaaag cggttcccgg   600

gggggaaatt tggttttccg ggccacaatt tccccaatta aaaaaaaaa ggcaaaagag   660

gaaaaa   666

<210> 24
<211> 975
<212> DNA
<213> Homo sapien

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gaatttgctt aacttgacat tccatggtgc ccgctaataa aatatatttt gaaccaaaaa    900

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accaaaaaaa aaagg                                                     975
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<213>   Homo sapien

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atttgtaaac tttgtcagga tttccctgtg catggtggtg aaagtcatgt agggaagaaa    360

aaattcaccg tgtaatctct ttagaagtca caaaaaaaaa aaaagctggg cgttaatcag    420

ggccataggc tgttcccggt ggtgaaatgg ttatccgcct ccacaattcc cacacaacaa    480

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caaccaaaaa cgcc                                                      554
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<211>   2581
<212>   DNA
<213>   Homo sapien

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gctggcgttg ccttcgtgtt tatccgggct tctctcttcc catccttgtg atcactctgc    180

tgaccctgcc acaccctggg gccatacaca tgactcctgt gcctctgcat ctcactggcc    240
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atttcaaacc agttcgtgag cctgtgttct aaaaagctca tctccattaa ctgcatctca    300

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gtcatggccg attgatacgg gcgtgtgctg agtggcagac tcataagtgc tgagctggat    900

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cacccctgtg gcctgggctg ttgtggcttt accagccaag ccactttctc ccatccccat   1440

gttctcagtg atttcccaag gcatttctgg tgtcctttgg gagtggaatc acgtgggttt   1500

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agccccataa gggagcgcct cctggtcttt ggtcagcttg acagagaggc ccagggaaag   1680

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acaagaaact ggagatatgc tatttagtct taacccaaac agatatgctg tttggcctta   1920

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tagggaaaaa aaaattcacc gtgtaatctc tttagaagtc acaaaagaaa aagaaggtta      2040

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caggacagtg tccgggttga gagtctgtct cctgaagcgc actctgggga aaatcccttc      2160

ctgccctcct gcaggtcctt agggtcccag acccagacag tcactttctc aacagagtgc      2220

cgtcaactca gcacacactc ctctcttgag cacagagccc cagagggaga agaacaaatg      2280

tgttgaaaag aatcttatta agatgtagtt aattaaaatg taatgtattg aggggaatgg      2340

aggtgtccca ggtgagggct aagtcaggca ggattttttgg ggaaggcatt gccgaaatca      2400

ccacctgagc tcaacactgg gtgcttctgg cccctccaga gttgaggtgc catccatggg      2460

aagtgcagtc ccctgcctgg cccaggttca aagcgccaag tagccacaac tcagaatgcc      2520

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t                                                                       2581
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<212>   DNA
<213>   Homo sapien

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agcaagctta gctgaatggc cacaccacca gcgaagtgcc tgagccaaga tttggactcg       180

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gaggtcgtcc cacagcactg ctagttccag ggcgagtgcc agcacatggc cccactggga       300

gccggggggcc tgatttaggt ctactggaaa aagtgtcacc tttggggaca ctcaaggcac      360

aggctggttg gtttcgttgc tggatttttat atactcatgc cctaaccctg tgttcctggt      420

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tcctaggaca cgggaagctt ttcttacctc ctttctaccc tcttctccaa cctgaactcc       540

caagtttctt ctcctgaagg tctttgcact ataagcgcca aggagcccgt gtgcgtggca       600

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<212>   DNA
<213>   Homo sapien

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gtcctgctcg gaagcagatg atgtgaaatg ttcctttcca gtctggttca cgatgtttaa   240

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tactgagagc cctgctatct ggtaaaggca gttaaaaagc ctgcaatctc gactcatttc   360

cagcatgaac agactggtcc ttgctgcttt acacaataat caaagctacc ttttatggcg   420

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tgaactccca agtttcttct cctgaaggtc tttgcactat aagcgccaag gagcccgtgt   1020

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agagaggcaa taagcttggg gacgttccgt tctgggttct gacgttgttg gttctgacgt   1140

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tgactttatt aaaaaactga ttgtgcactt ctaaaaaaaa aaaa   1244

<210> 29
<211> 663
<212> DNA
<213> Homo sapien

<400> 29
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ttggctccag ggccagagca gtctgactta gtgttgagct ccaagcatgg aacacttgga   180

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gtttggttca tttttgacca gcaagcctct aaatgtggtg ccttgattac ccaccgcaag      240

ggagagtggc agttgccttt ttatgacatg ttaattccag ccaggtgagt caccaggtag      300

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gactcagtgt cattggaagg tgacagtttg aggttccaaa ccagttttct cctttaacca      420

tttcaccctc aggagtgatt cctcctttgt ttggcattgt cagggaatgt gatgatccat      480

tcaaatgact tttggagttc caaatagtgt ttctacttta acttccaaaa aaaaaaaag      540

aaaaaaaaaa aaagggcggg gggtaccctg ggccaggcgt gtcccggtgg tggaattgtt      600

tttcccgtcc caattccccc cattttttcac aacaatggtg agcctggtca aaagagaaaa      660

act                                                                     663
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<212>   DNA
<213>   Homo sapien

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ggcagaggga gacgttagtc cagacatttc caaagtgtgg gtgggtccgt tggttcccga      180

gatactttta ggtggtatgg ggcctgcatt aagtggcaca aaaatcagag caagaaagcg      240

atgcccttcc ccaattctct caatcctttt tatggccgag aagatctcag ctggatgcca      300

acatgttccg atgcctgtgg aagacatgcc gacgtctcct ctgcctaggg agcaggactt      360

gggcttaggg caggtggaaa aaattccaga ctttttaga cactgtattt tgttttaatg      420

gtatattcta tattggctac tttattgtat aggacaagtg gtagtggcat tctatttatt      480

ggtgaccttt tcaataaata gatttaagca aaaaaaacaa aaaaaaaaa aaaaaagctg      540

tgggggttac ccgggggccaa aggggggccc cggggggggaa tgtggttctc cgcccccaat      600

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<210>   31
<211>   1192
<212>   DNA
<213>   Homo sapien

<400>   31
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ttctggtgca gcccatcagg gacccacagc gcctgggagg atggtgcgga tcttggccaa      180

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aaaaagctgt gggggttacc cggggccaaa gggggggcccc gggggggaat gtggttctcc     1140

cgccccaatt cccccccaaat ttttgacaaa atgaagagga cacacggaac cc             1192
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<212>  DNA
<213>  Homo sapien

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tacgtggctc ttgagggcct cgttaactat ctgaaccaaa gagcttggcg taatcagtgg      480
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<210> 33
<211> 900
<212> DNA
<213> Homo sapien

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tttgcttaga ggttggcaac tgaagctgtg caggacgatt cctgttctgt aagattagtc   180

tccagttgtc agtcaagcag ttgagtgcgg tatgtctagt gcccagtttc cctctccaca   240

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gtattatgag gtgagtggtc gagtgacatt cacgatttct cgatctttct gaatgcatag   480

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tagtcccaag tcccagctac tctaactgtg ggaggcgttg aggcagaagg atcacctgag   720

cccagggaag ggccagggct ggcgtggccc tgtatggtgc ccctgcactt gacctgtggc   780

aacgatgaga tgagccctgt caaaaaaaaa aaaaaaaaaa cgttggggat ccggccaagc   840

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<210> 34
<211> 548
<212> DNA
<213> Homo sapien

<400> 34
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gtaactaggc ttaagatgtc tttctaggtg tgtctcctgc atgagctaag gcattccttg   240

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atggacctat ggagttggga caatctctat gggaagcaga aggcaaggac cccggtcatt    480

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aggtgatc                                                             548
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<213>   Homo sapien

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cacttgatcg aatatgacag acactgaaaa tcacgactca tcccctcca gcacctctac     180

ctgttgcccg ccgatcacag ccggaatgca gctgaaagat tccctggggc ctggttccaa    240

ccgcccactg tggactctga ggcctctgca tttgcgggtg gtctgcctgt gatattttgg    300

tcatgggctg gtctggtcgg tttcccattt gtctggccag tctctgtgtg tcttaatccc    360

ttgtccttca tt                                                        372
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<211>   734
<212>   DNA
<213>   Homo sapien

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gctgcttttt aagtttcaaa ttgacattcc agacaagcgg tgcctgagcc cgtgcctgtc    120

ttcagatctt cacagcacag ttcctgggaa ggtggagcca ccagcctctc cctgaataac    180

tgggagatga aacaggaagc tctatgacac acttgatcga atatgacaga cactgaaaat    240

cacgactcat cccctccag cacctctacc tgttgcccgc cgatcacagc cggaatgcag    300

ctgaaagatt ccctggggcc tggttccaac cgcccactgt ggactctgag gcctctgcat    360

ttgcgggtgg tctgcctgtg atattttggt catgggctgg tctggtcggt ttcccatttg    420

tctggccagt ctctgtgtgt cttaatccct tgtccttcat taaaagcaaa actaaagaaa    480

atacaccacc cccacaacca ccatcttgtc gacacgccct cggacttaaa aaatcgggcc    540

ctcgagaaaa gctttctaaa accttccgtt ggggcgcccg ggcccccagt aggaagtcga    600

ccctggcaac agctgtcccg gaagaccggc acgacaaggg ctggttcccc cataaaaaag    660
```

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cggcgaaacg gggttcgaca atccgaagga ttcgggccta cggtcttcac cgggccacga      720

ccaatatccc ggcg                                                         734
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<210>   37
<211>   537
<212>   DNA
<213>   Homo sapien

<220>
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<222>   (492)..(492)
<223>   a, c, g or t


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gctcatgcct aggagcaagg agcaaggcca ttagaaaggc ttcatccacc agcaggagaa      120

gctaggacat cccaaagggt ccacttctag agaggtgcca accccacac gcacaccagg       180

cacacaaatg catgtgtgca cacgcatacc acaccctcca attgtcccca gaatggctcc      240

cttcagggag tcatgttccg ggacaccaaa tgagggaaaa tatccttctc ctacagtttc      300

ctgctcacat ttggattgag aaatgggatg tctctaaata atgtgtctaa attctcttaa      360

cataagtgca tatgttacgt gaaaaaaaca aaaaaaaaa aaaaaaggt cgggggggaac       420

ccggggccaa ggcggtcccc gggggggaatt tggttccccg ccccaattcc cccccattcg     480

ggagaaacag gntggcggcc gagaaacccc gggcaccaag aaagccggac acacacc         537
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<210>   38
<211>   1778
<212>   DNA
<213>   Homo sapien

<400>   38
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cacacactgc ggccgtaaca gttaaacaga cggggaacat tcatgtgcgt agagctcttc      300

acggggcgat acagaaatgt gtcgttctaa agcgttaacg acctgcaatt tgcatatcct      360

ccaacacatg gattttactg attcaattat ggatgtgtgc aaagaatctg ctgctcgggc      420

gtggtgtcct cagtgctgag agagccccgc gacggcggtg cagctcctcc agggcgcgca      480

gccccgccac ctggcgccac cgcgagggag cgcaggccca gggcccgggc agacgctgga      540
```

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ggggacgcgg caggtgaaga tggggcacct ccacttccct tctaaaggag cctgggaata      600

ggctaggaaa tgtccccact gtagaagaca gcaggaacat ctgacacgcg gataacctgt      660

gctgagctcg ttatattccc agcatttaat tctagccatt aggcatgcgt tagccacaac      720

ttcgcatagg aaggttattg caggtaagtt aagactcctt tccacttctt cctaagggtc      780

gctgacccat ggttctctag cttttgctgg taatcccacc cagattctca gcaccctagg      840

ttggaatgac ccctcctgag gtgggtgggg tagctgggag gcacctccct gaactgactt      900

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cattatcccc cttcaagctc atgcctagga gcaaggagca aagccattag aaaggcttca     1080

tccaccagca ggagaagcta ggacatccca aagggtccac ttctagagag gtgccaaccc     1140

ccacacgcac accaggcaca caaatgcatg tgtgcacacg cataccacac cctccaattg     1200

tccccagaat ggctcccttc agggagtcat gttccgggac accaaatgag ggaaaatatc     1260

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atgcaaggga tgagcttgga ggacataccc cagtaccagc aatgatcttg agccaatggc     1500

agcgtcagct cacaacgggg tgattgaggc ttcttggtta gaagctttag aaacttgagg     1560

tcagtaaaac ccaaattgat cctttctcta gatcctctag atttctctag aggaaaaggt     1620

gacaaaaaca gacacttgtg ctcaccgtca ggggcacaat gctgtccgtc aatcctcatg     1680

cagtcctccc caccatttcg cacactgaca ccatcactac tttatgataa aaggagactc     1740

aggcagctta gataacagct gaaactcagc cagctatg                             1778
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<210>   39
<211>   598
<212>   DNA
<213>   Homo sapien

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gggttgatga tttggtttgg ccaagagtct tgccaagact ttaatctatg cctcttgttc      120

tacatgaatt cttgggaatt actcacgttc cataggaaga gtgcatcccc aggtgatggt      180

ttttggttat ggtatgatcc tttcacaccg agggatttca ttgtttaaaa cgtgtttctt      240

taaaagaagc cttgataacg agagtggggg aaggaggcag cagactttga agactgtggc      300
```

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ctttggtgtt ctggagtagg gggagggaag gagaaacatg ttttccacat catcgcaagt    360

gtgtgccctt tgcccctttt caggatcctt agagttgcct ccctccctcc accccgacag    420

ttttgcaata atgtgcctta tcagttgtga gtttacaggt gaagcaattt cccaaataaa    480

tggatgtaag tgttcaaaaa aaaaaaaaac aaaaaaaaag gctgggggaa accggggcca    540

aagcctctcc ccggggggac attgtttccc gccccaattc aacccacaca aaccaccg     598
```


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<210>   40
<211>   2910
<212>   DNA
<213>   Homo sapien

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gtgcggagcc gacatgcgcc cgcttctcgg cctccttctg gtcttcgccg gctgcacctt    120

cgccttgtac ttgctgtcga cgcgactgcc ccgcgggcgg agactgggct ccaccgagga    180

ggctggaggc aggtcgctgt ggttcccctc cgacctggca gagctgcggg agctctctga    240

ggtccttcga gagtaccgga aggagcacca ggcctacgtg ttcctgctct tctgcggcgc    300

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tgccttgttt gggccatggc tggggcttct gctgtgctgt gtgttgacct cggtgggtgc    420

cacatgctgc tacctgctct ccagtatttt tggcaaacag ttggtggtgt cctactttcc    480

tgataaagtg gccctgctgc agagaaaggt ggaggagaac agaaacagct tgttttttt    540

cttattgttt ttgagacttt tccccatgac accaaactgg ttcttgaacc tctcggcccc    600

aattctgaac attcccatcg tgcagttctt cttctcagtt cttatcggtt tgatcccata    660

taatttcatc tgtgtgcaga cagggtccat cctgtcaacc ctaacctctc tggatgctct    720

tttctcctgg gacactgtct ttaagctgtt ggccattgcc atggtggcat taattcctgg    780

aaccctcatt aaaaaattta gtcagaaaca tctgcaattg aatgaaacaa gtactgctaa    840

tcatatacac agtagaaaag acacatgatc tggattttct gtttgccaca tccctggact    900

cagttgctta tttgtgtaat ggatgtggtc ctctaaagcc cctcattgtt tttgattgcc    960

ttctataggt gatgtggaca ctgtgcatca atgtgcagtg tcttttcaga aaggacactc   1020

tgctcttgaa ggtgtattac atcaggtttt caaaccagcc ctggtgtagc agacactgca   1080

acagatgcct cctagaaaat gctgtttgtg gccgggcgcg gtggctcacg cctgtaatcc   1140

cagcactttg ggaggccgag gccggtgatt cacaaggtca ggagttcaag accagcctgg   1200

ccaagatggt gaaatcctgt ctctaataaa aatacaaaaa ttagccaggc gtggtggcag   1260
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gcacctgtaa tcccagctac tcgggaggct gaggcaggag aattgcttga accaaggtgg    1320

cagaggttgc agtaagccaa gatcacacca ctgcactcca gcctgggtga tagagtgaga    1380

cactgtcttg acaaaaaaaa aaaaaaaaaa aagagaaaaa agaaaatgc tgtttgtatt     1440

ttgtggtcta ataaggagtt cgggatagcc tgttgtattt gcctcatgcc agcccctgag    1500

ctgccttggg agaagatgct gattgtcctt gtccagagta ctgcttttgc agagtgacag    1560

gctgctggga cagatgtcct cctgttgcat ctttgtggat gtttagtacc aatgatgaca    1620

cgggaactca catcactgac accgctcttc atcttctgtt agtctcttga agagcatttt    1680

tttgtacttc tttgctgatg acctacctct tcataagcca agtgaaacaa gttgacgaac    1740

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ccagcaaac attttatctg tcctttctgc aggaatccgt tctgtgtcat gctaggagaa     2040

tgggttcagt atatggggcc atcaggcagt ataccctctg aatgtttttc attgttgtat     2100

ttgcttagag taactaaaca attgtatctt ttaatttatc ttttaattca aagaggaaac    2160

cttggcttct gataactttg ttgtgttgta tcttaatggc ctatagctgt cattacttcc    2220

tgtagctgca gtacagaatt gttacagacc tggattaatg cttccaaaga cagaaggacc    2280

ttggcaccta aactgaccag ccctgtgatc ctgcacccca caggagtaac tcatcaggac    2340

ttaccagact gctgcttttg ggcatcatct gctgggttga tgatttggtt tggccaagag    2400

tcttgccaag actttaatct atgcctcttg ttctacatga attcttggga attactcacg    2460

ttccatagga agagtgcatc cccaggtgat ggttttttggt tatggtatga tcctttcaca   2520

ccgaggattt cattgtttaa aacgtgtttc tttaaaagaa gccttgataa cgagagtggg    2580

ggaaggaggc agcagacttt gaagactgtg gcctttggtg ttctggagta gggggaggga    2640

aggagaaaca tgttttccac atcatcgcaa gtgtgtgccc tttgcccctt ttcaggatcc    2700

ttagagttgc ctccctccct ccaccccgac agttttgcaa taatgtgcct tatcagttgt    2760

gagtttacag gtgaagcaat ttcccaaata aatggatgta agtgtaaaaa aaaaaaaaaa    2820

aaaaaaaaaa attctggggg aaaccggggc caaagcctct ccccgggggg acattgtttc    2880

ccgccccaat tcaacccaca caaaccaccg                                      2910
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<210> 41

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<212>  DNA
<213>  Homo sapien

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atgccgtctt aaaatattcc cgcacgcaca gtccactcag catccagaaa ctgagcctcg     120

tttccgatct gatgatactt gtcattcaac tggtgggaga cccatttatt ttgtccccag     180

ggtctctaag gatgccgctg ccgctttctg atagctagat ctcaactctt acaaactttt     240

actgagcctc agattcccgc ttgcactact ccagctgttg ctgccgcagc tgcctttccc     300

agacagaagc gctgcgttgc aattcttcag ttacaatctg ggtaataaag gaaatcatat     360

ttaaaaccc                                                             369


<210>  42
<211>  1236
<212>  DNA
<213>  Homo sapien

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<222>  (27)..(27)
<223>  a, c, g or t


<220>
<221>  misc_feature
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<223>  a, c, g or t


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cgccgcaact cactgcccga taacttctga agtgaaagca gaacacaaaa ccttcgaatt     120

atctggagca actttttcaa ctattttaat tgccaagcaa gacatacgat gccgtcttaa     180

aatattcccg cacgcacagt ccactcagca tccagaaact gagcctcgtt tccgatctga     240

tgatacttgt cattcaactg gtgggagacc catttatttt gtccccaggg tctctaagga     300

tgcgcgctgc cgctttctga tagctagatc tcaactctta caaactttta ctgagcctca     360

gattcccgct tgcactactc cagctgttgc tgccgcagct gcctttccca gacagaagcg     420

ctgcgttgca attcttcagt tacaatctgg gtaataaagg aaatcatatt aaaactacag     480

attttttgtat tttaaagcgc gatttccttc ccccgagtag cgcgtggcgg agatggttgg     540

tgacccctgc ggtgcaatca tccaacgaaa acttcactgc tctgcaccag ttttttctttt    600

tctgggttta gaaggggagt tgtgactaca atactttaaa aaaacaaaac tacctttatt     660
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gtggcaagag aaaacattac aatggaaaca aattacatat aaatagttgt tttctcggta      720

gcttgttgtt ctttttgtct tttgtaaatt tctttggtgg tcttaagtcc tgatttggcc      780

ttgactacag tacaggagcc catggaccta gaccagagac cacggaccct gaaaataccc      840

actgaatcta caccgagatt gaatgcacaa cacagtttgc aacttgtaag gcttgtattt      900

tatacagtag ttgaaaccga taaattcgtt gtaaatcatt tgggaaggtt aaaaaattta      960

attaaaaata aaatgaaagg caggaagatt gacatttgta gtgcctaacg cccctgaatt     1020

ttatttccat ctttaagaaa agaaaaccaa aagccanacc gactctggca gcgcggggag     1080

acttcccagc cgttttcttg ggcagctagg acagcacctg ggccgtgcca gaaatgccag     1140

ttgctatggt cctgatggat ggaaaggaag tgcaggttgg gtctgcgcag catgtctaaa     1200

gcctgaaata ccgaagccac ccttacctta cttccc                             1236
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<210>   43
<211>   347
<212>   DNA
<213>   Homo sapien

<400>   43
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cagaggaaaa cacccaacaa caacctcaac aaacacaaca acaacagcaa aaggacgaag      120

cgtgagccag aaattccatc tgcgtgagta tgctgggaaa agcctggcga ggaatcctgg      180

ttggtgaaaa acagattcgg tgcttattgt tctgctctgt gagtaagtca ccaaagaaat      240

gtgggcgtgt gctgctggaa agaaaataga cttccacaaa aagtatgaat cactttgtta      300

attgtcaaag aaaatatata ttaagtgatt acttagcttc tggaatt                    347
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<210>   44
<211>   539
<212>   DNA
<213>   Homo sapien

<400>   44
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ggagcgggag gcgctgttgt tcaggaaagg aagttgtgtg tttgtgaatg agcgcacttt      120

gtggttcatg tgtttgggca ggacaaacta caccacaggg ttgggcgggg ctgtgtgtgc      180

tgggcacgta cgcttctttg ttttgtcagc ttcccgagag atcagggaga gcatagatat      240

atccctttttt cagttcagag gaaaacacct aacaacaacc tcaacaaaca caacaacaac      300

agcaaaagga cgaagcgtga gccagaaatt ccatctgcgt gagtatgctg ggaaaagcct      360
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ggcgaggaat cctggttggt gaaaaacaga ttcggtgctt attgttctgc tctgtaagtc    420

accaaagaaa tgtgggcgtg tgctgctgga aagaaaatag acttccacaa aaagtatgaa    480

tcactttgt taattgtcaa agaaatata tattaagtga ttacttagct tctggaatt    539
```

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<210>   45
<211>   449
<212>   DNA
<213>   Homo sapien

<400>   45
ccgcccgggc aggtacagtc cagcctcggc tgggcatcag agggaaacca tgcaaagagg     60

gggaggggga gagggagcca atattttgaa atttattgag acattttaga acctagtata    120

tagcctcttg gtgaatgttc tgtgtgttct taaaaagtga atgtgtattc taccactgtt    180

cagtaaatgc caattgggtt aagtttgttg atagtcaaat ctatatcctt acccatcttt    240

ttgtcccatt ttttctgtca gttattgaac aagaggtgtt aaaatctcca attacttcta    300

tttctctaac actgccattt ttttctttgt ggattttgaa tttctctata tattttgtat    360

attttgaagg tcacatacat cttttgtcgt catgtattct gatgaattga ccctttttgtc    420

attattaaat gtgctttatc tctattcat                                      449
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```
<210>   46
<211>   598
<212>   DNA
<213>   Homo sapien

<400>   46
aggagctgga gacagcccgg ccaacacggg gaaaccccgt ctccgccaaa agatgcgaaa     60

accagtcagg cgtggcggcg cgcgcctgcg gtcccgggca ctcggcaggc tgaggcagga    120

gaatcaggca gggaggttgc agtgagtcga gatggcggca gtacagtcca gcctcggctg    180

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aaaagtgaat gtgtattcta ccactgttca gtaaatgcca attgggtcaa gtttgttgat    360

agtcaaatct atatccttac ccatcttttt gtcccatttt ttctgtcagt tattgaacaa    420

gaggtgttaa aatctccaat tacttctatt tctctaacac tgccattttt ttctttgtgg    480

attttgaatt tctctatata ttttgtatat tttgaaggtc acatacatct tttgtcgtca    540

tgtattctga tgaattgacc cttttgtcat tattaaatgt gctttatctc taaaaaaa     598
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<210>   47
<211>   255
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<212> DNA
<213> Homo sapien

<400> 47
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catagagacc acaaacagat cgcagatcca ggtttctcaa actggagcat ctgcttaatt   120

ttcccataaa atcagtctta ttctttctga cagctctgag actcctccgg ccacgactag   180

gtgctgtcct ggaggaaacg gtggaggacg gccgcacaaa aaccaatcta cctgatgaaa   240

actccgttcc cttct   255

<210> 48
<211> 1403
<212> DNA
<213> Homo sapien

<400> 48
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caggcagagt ctgagcatcc agatttcaaa attaaaaaat aaaagataat ctagtttaat   120

atatagtagt tgaatcacct taagtctaga ctgctgtatg agcacccatt atctttcact   180

atattccatc atcccccaac atatccacag tagatgaagg gcagtttgct caaacattgt   240

tttgatcctg tcatgtctgt tcagaaatgc ctgtctattc agaaacccac gtctaataac   300

aaaatcttgg actggttact atcaaaaccc aacaacatac agactcctca gctaggccct   360

agggatattt ttctaccttg atttccaaat gttcattgaa agaatgctta attctaattt   420

ggaaaaaagt ttttggcttc ccacttctgc tttacacgtt catctttctt gaaatcaaat   480

ccaatccaat ctatattcta agaacctgct caaatcttgg ttcttcaaag ctttccctgg   540

tattttgcat ttttgctttg aatagttcca cgaaggataa cttcttactc cttccttcat   600

ctttctgtat cttgcatata gtaaatatta atgacttgtt tgcattttgt tatcctaact   660

tggctataaa gaaaatcaga tgtcttcacc agtcgttcaa acttcaggtc tgcctacaga   720

ttcatagatg gctgtggatt tttataattt tgtcacaaag ttagtggtaa ctacaggtta   780

tctcagaata tctttttttgg cgtataaatt ttttctcttt cctttttttag acagtctctc   840

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ggattacagg cacaagccac tgcacccagc cttattacca taaatcatct tgatgctggt   1140

```
acctgataag attctatttg cttttcttta ttcatagaga ccacaaacag atcgcagatc      1200

caggtttctc aaactggagc atctgcttaa ttttcccata aaatcagtct tattctttct      1260

gacagctctg agactcctcc ggccacgact aggtgctgtc ctggaggaaa cggtggagga      1320

cggccgcaca aaaaccaatc tacctgatga aaactccgtt cccttctcgc cagaaacata      1380

aaatgcgatg gatacgctcg tgc                                             1403
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<210> 49
<211> 469
<212> DNA
<213> Homo sapien

<400> 49
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agtgaaatat tttagtggga aaatgtccac agaataaggg gtgtgggctt ggtcagtgga       120

gagtggttga agaggtgaga gggaaccaag gctcttcctg ctatttcttt gctagggctg       180

gccccttag gggcttccct tcccttagag atgactgcca gggtcttcca tccctacttt        240

ctgccccttc tctgaggggc ctgagccccc tcagcctccc aggttcatcc aaacaaacaa       300

cttatggcct tcataaaact gtctgattaa atgtgtatta ttattttttcc tttttattat      360

acaggatata aatgcttaac tcttttcatg tattttttaaa ccaactgaca aataatttg       420

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<210> 50
<211> 479
<212> DNA
<213> Homo sapien

<400> 50
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agtgaaatat tttagtggga aaatgtccac agaataaggg gtgtgggctt ggtcagtgga       120

gagtggttga agaggtgaga gggaaccaag gctcttcctg ctatttcttt gctagggctg       180

gccccttag gggcttccct tcccttagag atgactgcca gggtcttcca tccctacttt        240

ctgccccttc tctgaggggc ctgagccccc tcagcctccc aggttcatcc aaacaaacaa       300

cttatggcct tcataaaact gtctgattaa atgtgtatta ttattttttcc tttttttatta    360

tacaggatat aaatgcttaa ctcttttcat gtattttttaa accaactgac aaataatttt     420

gagcttgtca ttagcatcct tgggctaata taataaaact ttgttactta aaaaaaaaaa       479
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<210> 51
<211> 312

<212>   DNA
<213>   Homo sapien

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ggcccagccc acagctcctt tgacctcagt gacaggcact cacctacctg accccaaac   180

tgaagcctca cttttcccag ccgtgcccac accctctggg ctaccccatt accatgacaa   240

gtattccctc tgctccagga gaaaagccag gtcccagacc tgacccatta aaacccaatc   300

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<210>   52
<211>   568
<212>   DNA
<213>   Homo sapien

<400>   52
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agcttagcgg ggggaccact tagtgaccaa caccctgagg gaggccccag catcccctac   120

ttagcttggc agcagcagcg ggataaatag gggggcactg ctgcctgtga gccagcccag   180

catagccatg ggtgtgtggg ggaagcagac agagacaggg tcttgctccg ctgtccaggc   240

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cctcactttt cccagccgtg tccacaccct ctgggctacc ccattaccat gacaagtatt   480

ccctctgctc caggagaaaa gccaggtccc agacctgacc cattaaaacc caatcattcc   540

aaaaaaaaaa aaaaaactct ccagcgct   568

<210>   53
<211>   294
<212>   DNA
<213>   Homo sapien

<400>   53
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tcctgcttca ggaaagaacc aaaacactac cctgaagggc cagcctagcc tgcagccctc   120

accttgcagg gagccttccc ttgcactgtg ctgctctcac agatcggtgt ctgggctcag   180

ccaggtggaa ggaacctgcc taaccaggca cctgtgttaa gagcgtgatg gttaggaaat   240

cccccaagtc atgtcaactc tcattaaagg tgcttccata tttgagcagg cgtc   294

<210> 54
<211> 779
<212> DNA
<213> Homo sapien

<400> 54
agtggctctg cggggaattg tgaggcggac tgcgagggaa aggggggcctt gttgagtccg   60

ccaggattct accatcagaa aagaggccaa acttctatca tcatggtgga tgtgaagtgt   120

ctgagtgact gtaaattgca gaaccaactt gagaagcttg gattttcacc tggcccaata   180

ctaccttcca ccagaaagtt gtatgaaaaa aagttagtac agttgttggt ctcacctccc   240

tgtgcaccac ctgtgatgaa tggacccaga gagctggatg gagcgcagga cagtgatgac   300

agcgaaggtg ggctgcaaga gcaccaagca ccagaatcac atatgggact atcaccaaag   360

agagagacta ctgcgcggaa gaccagacta tcgagagctg gagagaagaa ggtttcccag   420

tgggcttgaa gcttgctgtg cttggtattt tcatcattgt ggtgtttgtc tacctgactg   480

tggaaaataa gtcgctgttt ggttaagtaa tttaggagca aagcaatgct ccaagcgagg   540

cctcctgctt caggaaagaa ccaaaacact accctgaagg gccagcctag cctgcagccc   600

tcccttgcag ggagccttcc cttgcactgt gctgctctca cagatcggtg tctgggctca   660

gccaggtgga aggaacctgc ctaaccaggc acctgtgtta agagcatgat ggttaggaaa   720

tcccccaagt catgtcaact ctcattaaag gtgcttccat atttgagcag gcgtcaaac   779

<210> 55
<211> 184
<212> DNA
<213> Homo sapien

<400> 55
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ttaatttgaa agtttacatt ttttatgctt tgtgttggtg tgtaattttg gtactcttgg   120

tggctagttt ttgtcaaatc tttttttggaa tattgcttaa agtgtttttg attttatgat   180

agtg   184

<210> 56
<211> 2065
<212> DNA
<213> Homo sapien

<400> 56
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aaaacaaatg ctgttaaatc accttatgcg tcgttaacta cttcattggg gctaattacc   120

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cggaatacgg tctcaccgat gcagttttca tggacataga aaattcaaat agaatatata    180

atattgaatt taagatttgg ggggttaaaa aagaaaactt aactttataa aattatttat    240

tctattttaa gccttctatc atattttccc atccaattgt ttggtttcag tggtccagct    300

ttatttacag gcatataaaa tgaaattgtg agatgttttg caagcttctt tttactttga    360

gtagctttta atttgtatgt ttttatgtgg atgaagagca ttttttatgc ttttgtgcaa    420

taggttccaa tatgcattta ttagacatct gtttaaatgg taatgtagca tttattttgc    480

taaattgaaa gggaacatag atggaattcc aaaatatgta cattcagctg tttggttttt    540

cgttttttcat tgttattatt gtgagaatgc tgttattggg gttgtgtgtg agtgcccgtc    600

agccagtgat gcctcgggcc acgctgtggg gccacctcag tcctgcctgg gtcctggtgc    660

cttggacccc acgtgcttgt ggccaggctg cccctgggcg gggccatgtg gcctcagacc    720

acaagagcgg agctgccctg gcccaagcac tgcagctgcc tgcaccccccg ggcttcgcag    780

ccttgcttgt tttctctgaa cagcaacaga acagtgttca cagcgattca aagggtggca    840

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aatgtatttc tctgccttga catttaaata cataaattga gataagtaga ttagaaaatc   1080

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atgtccactc ccatggctta attgcctatc agacgcattt tcccagacga aagcaatgtt   1320

gggttgggga agacagtgca gccacccagc ctttaccagc agcgtacggc agacgaaggc   1380

agtcgaggtg tggaggtgat cacgaagata catgtgtttg actgtttaat ttgaaagttt   1440

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aaatctttt tggaatattg cttaaatgtt ttgattttat gatagtgaag cttgtattca   1560

gtgttttgcc aattaatatt atatgcttgt aataaaagca aaagaaaagc ttaagtgaaa   1620

gtgtttctgg ctggaaatgt attacataaa tcatttgtat gagcatgaga gatgacttgc   1680

tcatgggatg agcaatgctg tgggtattgg atggaccact caggcagcct ggccgcacac   1740

acacacatgc atgctacata tgtgtacgct cagaccacat gcctgcacat atgtccacac   1800

accagcccac ggctcccttc ctcaccccag ccctccccac tcccaggtta accaatgtct   1860
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cgatctgctt caggcggcat ttgtaaactg tcaccctgct tgcaaaccct catttaaatt   1920

ggtccagcat ttgctacctg agtttaggcc acaaactttg taaagctcag tttgtctccc   1980

ttgcagaaag aggttgctgc agtttggagc tggttatgcc aaggaaaata cggctaaaaa   2040

agaacttact gattgccata ggtgt   2065

<210> 57
<211> 976
<212> DNA
<213> Homo sapien

<400> 57
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aagctggatg cagatgctca gatgctagag ggtgaaatgg acagacttgg ctaggaagag   120

atatgtgaat gttagcagag ggacctttct ggggattaag gaatcaggaa cacaaatttc   180

tcttctttcc ttcccaccag gctccatgcc ccccttactg gaggaccaag accttgttgc   240

cttcaatttta cgggatccca gtgggatcct gatattttcc atagtttctt aacaacattt   300

caagttaaat attaaaatta ttcatagggt gtggagtgag ccaagtgcaa cacattgctg   360

tcaggggtgt tggctactcc gccagctgtt gaaaaaagga gaaagaaaga gagcaaactg   420

agatccacac accccacaca gtatgaccaa ggcgccttct gacttcagga aagccaggca   480

gacggggatc cctggatgct cacagcttgg cagccgatat tcactggagc cagaacagtc   540

tgctctgagg cttgtctgca tccagaagtt gcaggaaagt tccacaacgt gtgaagactt   600

cttttgtcct ctctgtggga gagctgggga acataggatt ccttatagac ttatcctccc   660

cacctctcca atgagcaaag gctgctaaaa acttctgaag cctgaatccc aaaagctgga   720

ggctttctct ctcctcccag tgatcggagc ttctcagggt ggcggattgt ctcatggttc   780

tgggggccca aggcaggttc ccggcaggag tgagggtccc ggctcttggg agaggccttt   840

cagctcttgg ctccggggtt ccacctcagc ggggctccct gcgctgcgtg ccggggtgcc   900

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tcccacccca aagaga   976

<210> 58
<211> 1660
<212> DNA
<213> Homo sapien

<400> 58
gccgtacccca cacctgcggt tgtgggctac tccaaacctg accggttaca tacttctcaa   60

taggcaggta ggtctcagtg aataattgaa aaatggtcct cactatgcac aggctataaa   120

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gggactagta tttcagttta atcatgagaa aggctctctg ctttaagaag cactctacat    180

gcgtttccca agccaaactg ctggggctca actgtgggtt ctgctccttc ctggctgccc    240

aaactcaggc aagtgacttt atttcctcca tttcctcatc tataaaatgg gagtagttgg    300

gtggcattaa accgtctatg gaaagtcctc agcatggcgc ctggcacaaa gcaacggctc    360

cctcgcctct gttctcactc ctgttccaca gaattacacc cactcttctc tgctgatact    420

cttaatctca gatccccaat tctgtctttc aaatgtgttg tgtcaacatt tatttgcaaa    480

catgtctatt tgatttcaaa tgaaaacgct tttgagtgga tttaaaaaca aaacacatgc    540

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gatgcagata gctcagatgc tagagggttg aaatggacag actttggcta ggaagagata    660

tgtgaatgtt agcagaggga cctttcttgg ggattaagga atcaggaaca caaatttctc    720

ttctttcctt cccaccaggg ctccatgccc cccttactgg aggaccaaga ccttgttgcc    780

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aagttaaata ttaaaattat tcatagggtg tggagtgagc caagtgcaac acattgctgt    900

caggggtgtt ggctactccg ccagctgttg aaaaaaggag aaagaaagag agcaaactga    960

gatccacaca ccccacacag tatgaccaag gcgccttctg acttcaggaa agccaggcag   1020

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cttggatgtt ccaggaggag gaaggtctgt gccttcctcc ttgggggcca gcgttaaata   1620

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<210>   59
<211>   686
<212>   DNA
<213>   Homo sapien
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<400> 59
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gcagatatga ggctttttc tttttttttt tttttttgga aacaacgttt ggctctgtca       120

cccaggctgg agcgcagtgt ggccaatctc gtgcccactg cagcctcgac ctctggtggc       180

tcaaggagat cctcaatgcc tcaagcctca ttatgtagct tgggcgccac agaacttgca       240

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ctccagcacg gtgctgtgtt tgtgaaccag agaaggggc ccccgcgagg accccagaca       360

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ttcctctacc ttttcatggc cccagaattc catattgcgt aaaggaactc ttctgggata       480

taacatatta aagtgtcctc cctcagcaca aaaaaaaaca aaaaaaaaa aaacgctctg       540

ggcggggaag ccctgtggcg ccaaaagcgc tgtgtcgccc ctgtgtgtgt agacattttt       600

tttctcccgc gccccaaatt cccccccaat aattcttcaa caacaaaaaa ttaaaacaca       660

aaaacaaaaa aggaaaaaac aaaacg                                           686
```

<210> 60
<211> 624
<212> DNA
<213> Homo sapien

<400> 60
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aaacagccta gactttcagc ttgatagcca gtgtgaaata tcattgatag aattttagtt       180

gttaggaaaa attggtttga tttctagctt tattcactat taggtatgtg agcttgggca       240

aatcgcttat atctttgagt ctagttttct cctcagaatg cagaacatta ggctaaatga       300

tttccgagtt tccagcgtag tcctagagtt ctatattttc tacgatagtt gaattattta       360

tatcatgctg ttgctgggga atatgactaa cccctttgaa gctactaatt ttatgtcgag       420

ctttaagagt ccaatagttg ttatcttcag aaaatattat ttgacctaca gtatgtccaa       480

catcaattta ataaaatcgc tttataacag caagaaaact taaccaaaat taaaagacta       540

agaaagggtt gggggtcact cggggccacc gggtgtcccc tgggtgacct gttttcccgg       600

cccaatttcc caacttagag caaa                                              624
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<210> 61
<211> 913
<212> DNA
<213> Homo sapien

<400> 61

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ctggaagggg ttttttgtat caactaacaa cctcagcgca taaaggagat ttaaaaggag      60

cacatgattt agtgggtggg ccatgaaact agagatggga tttgggggtg aatttgtcca     120

atatcatgga ttttaatcca gacatctctg ctaacaagcc tttggtaagt cacttcagat     180

acttttcctc cttttacaa agagagggct ggcttagtta tttgccaaag ccccttccag      240

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agcttgggca aatcgcttaa tctttgagtc tagttttctc tcaaaatgag aacattaggc     480

taaatgattt ccgagtttcc agctagtcct agagttctat atttctacat agttgaatta     540

ttttatcatg ctgttgctgg ggaatatgac taaccctttt gaagctacta attttatgtc     600

gagctttaaa gtccataatt gttatcttca gaaaatatta tttgacctac agtatgtcca     660

aatcaattta ataaaatcgc tttataacag cgctacaacc acacaaagca acaaaaacag     720

acccacaaac aacacacgtt tgggccggcc tctggcccca agaaaaaagt ttttaacaaa     780

ccacttccgt ggggacgcgg cgggcccaca gaaggaacgg gaacaacggg cccaaacggt     840

ggtccccaag aaactcgggg tacgagaaca ggcgtgggga cccccaaaa aaaaagcccg      900

ggggaacccg gag                                                       913
```

<210> 62
<211> 356
<212> DNA
<213> Homo sapien

<400> 62

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cggatgatag actaatatag gcgaattggt catttagatc atgtcgatcg gcgtcattgt      60

atggactcgt ggtcgcgtgc cgattgtacc cccttccgag tacgacggct cttgtggaac     120

tgcgcggtcg atagcagcgt gctctaggag gagagtcaac gtcaggctcc aggggtttga     180

accgatccac tttcagttac gatgtatctg agaccagaga gcagagggg cttatttccc      240

tctgccctat actggccgtc gaatgagcaa cagtcacaca gagcaggcga ccttttttgtc     300

aaaagtgtgt ggggcgggc gcgcagtagg cgccctaaac gctggactga acagag          356
```

<210> 63
<211> 829
<212> DNA
<213> Homo sapien

<400> 63

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ggatgatacg acccacctat aggcgctgtt cctctagatc atgctcgagc ggcgccatgt      60

gatggatcga gcggcgcccg ggcgggtggg gcccactttt tatacaagcg ggtggcggtg     120

gatccaggcg cacagacggg agtgaggcgt ggcggagacg cgtgcacgct gggtctgtgc     180

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gggattccgg gcgtgagtca acaagccccc ggtgggtttg ttggcctacc tataaccccc     540

ttttataact ttttggtaac catggggata caaagatgga atttcgcggg tcgcgaaaag     600

aattcgcagg gagaaaccta atattccctt tacagtgtgt tgttctacaa tgtgggtcac     660

ggttttttggc acaatcaatt caccattttt tggccaacgc ccaaaaaaaa aaaaaaaaaa     720

acgcctgggg gttaccgctg gcgcaaaagc attccccggg gtgagatgtt tcccgccccc     780

atcacaagca aagacaaaaa aaaagcaaa aagacaaaaa aaaaaacat                   829
```

<210> 64
<211> 982
<212> DNA
<213> Homo sapien

<400> 64

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ctccaccgct cctcccaggc tcacgaggct cacgggctac ccagcgccac ggcccaggag      60

gctggaccac aggcctcagt cccgacttct ccctgctgcc cggcacggga ccctccccca     120

ggacagccac ctcccagtgc tgaagagccg gcccgcctca gagccacccg ccgttccttt     180

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cgtggcggag acgcgtgcac gctgggtctg tgcacttttg ctgctgctgc ttttttttgg     360

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cccggtgggt ttgttggcct acctataacc cccttttata acttttttggt aaccatgggg     720
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```
atacaaagat ggaatttcgc gggtcgcgaa aagaattcgc agggagaaac ctaatattcc    780

ctttacagtg tgttgttcta caatgtgggt cacggttttt ggcacaatca attcaccatt    840

ttttggccaa cgcccaaaaa aaaaaaaaaa aaaacgcctg ggggttaccg ctggcgcaaa    900

agcattcccc ggggtgagat gtttcccgcc cccatcacaa gcaaagacaa aaaaaaaagc    960

aaaaagacaa aaaaaaaaac at                                            982
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<210>  65
<211>  342
<212>  DNA
<213>  Homo sapien

<400>  65
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tccttgggag cccaggtggt ccttgaccac cattcaggct ttccaagaag ccaaccacct    120

tggagatttt ttttcttgaa tttcgctgtt ttcttctgct tcctttagat aaaaagcagc    180

tcaagagacc ttatcttagg gatgagaaaa acatgcatat taattccatc tgagtgattg    240

tcagtgtaag gcctttttaaa acaaaagcaa gttctttgtt aggaattggt caaaattcat    300

ctctttcttt aagcccatca actcccagga cggtttgagt ta                      342
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<210>  66
<211>  5814
<212>  DNA
<213>  Homo sapien

<400>  66
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tttttttttt ttcctttgga tatatgacca gcagtgggat tgctggatct tacgatggaa    120

ttcccaaaga tgttgaccag gaagatcaag ctgtgggaca tcaacgccca catcacctgc    180

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<212>    DNA
<213>    Homo sapien
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<400> 67

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gttgtcctcc tgctgcagct gttgttgcag ctgtgtggct gcgtttagta ggaataacca     240

actcaaattg ggaagttctt cagctcagta tccgctcctg taattagaac ttcttttctt     300

taagcgatga aattttggac agagagatct ggagtttagt ttgtgacgtc gaagaacaaa     360

ctccaaaatg taataccttg tccccatttg gggggcaaag ttgtgggcta attcaattcg     420

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ttgagagacc tatggattta gcagagattt taacttagtg ccaaaaagtt tcatatttaa     540

aggcgaataa agcgaatatt tcttaaaaaa aaaaaaaaa aagggaaaaa aacaaaaaaa     600

aaaaaaaaag ggtgggggggc cccgggggcca aagggttccc gggggaattg ttctcccccc     660

ccatcacacc cacaacacaa aaaatgaaa aaggcacaac cggaccat                   708
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<210> 68
<211> 1099
<212> DNA
<213> Homo sapien

<400> 68

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aaaaaaaaaa aaagggaaaa aaacaaaaaa aaaaaaaaa gggtggggg ccccgggcc    1020

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<210>  69
<211>  770
<212>  DNA
<213>  Homo sapien

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tattgaggaa agggcttcga attccccagg tactgaacaa ttggtgtcgt gactgatgga   240

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ttttgtcgac tctggcctcc tctggcagca tagatcctta ggtgctcaat aaaggtgtgc   660

tgtattgaac caaaaaaaaa aaaaaaacaa aaaaaaagc gctggggtac cggggcaaag   720

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<211>  357
<212>  DNA
<213>  Homo sapien

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ggataacccct ggcccttggg actccatcat ctccttgaag tagcactgag aatccaagaa   180

gaggctccgc tgctttttgc acatgttact gagttacatc tcaggaagat ttttaagcac   240
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gaggaaggaa aatacaggcc tggccaagca gggtcccctt ttcggtatca tctttgttcc   300

taataagcaa tcaagggggt gggtgtgttg gctggtaaag gaactactaa gattcag   357

<210> 71
<211> 1589
<212> DNA
<213> Homo sapien

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ttttaccaaa aaaatgggtg tatttgattt gggtgctgta aggcaatttg ctaggacatg   120

ggataatcag attacacaaa atctaggcag tgaacaagtc ttcatcctgg cccaggaaat   180

agcctattaa aaaatgctgt ccaggccagg cacagtggct cacacctgta atcccaggac   240

ttcgggaggc tgaggctgga ggattgcttg agttcaagac cagcctgagc aacacagtga   300

aaacccatct caaaaaaaaa aaaaaaaaca aaccaaaaaa actggtccag ctggtgggac   360

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atttaagatg ctcgaaaaga gtgtccaaga ggagtaaagg tcatgacaga atttactccc   480

aggacaatct aagttctgcc acaagtaccc gtggtgtctg ttcccacaac aatggccctt   540

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cagggaagca tagacctata gtacaacagg ggtgtagtga ccactggacc tgatgaagcg   780

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cacttgactg ggaaaaaaaa atggcggtc                                      1589


<210>  72
<211>  471
<212>  DNA
<213>  Homo sapien

<400>  72
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<210>  73
<211>  772
<212>  DNA
<213>  Homo sapien

<400>  73
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tgtgtcgtac tattgttgtc ccggttccca atttcccccc ctattcttct gtggacgaca      720

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<210>   74
<211>   1061
<212>   DNA
<213>   Homo sapien

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ttgaatgggt cttcgatttg ctaccccgcg gcccatgcga tgggctcccc tgcgtttccc      180

tctttgtttc aattgtttag gtgtcccgcc cgagcctcag gctcagctca atcgcgagat      240

gattttctgc agcgactttt tgttcctagg ggactgtgaa ggggcggggg actgccacga      300

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accttctttg ttttagcagc ggggccgttg ttgttattgt tattgttaga cgaaaaggtt      720

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aaaccaaatt tagtcgtttt gtaaaaaccg aggtaattac gtctgtgact attcatgtta      840

ccttggaatt ttaccttata aagtaaaatg aagccaaaaa aaaaaaaaaa aagacaaaaa      900

aaaagagtgc tgtggggtaa tcctgggggc ctaaggatgt gttccctggt gtgtcgtact      960

attgttgtcc cggttcccaa tttcccccccc tattcttctg tggacgacaa aaggggatga     1020

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<210>   75
<211>   426
<212>   DNA
<213>   Homo sapien

<400>   75
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aagctagaac actggggatt acagagggaa cacagagaca gatctctggc cctcccagaa      180
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<213>   Homo sapien

<400>   77
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aatcttgggg gtaacccggg ggcccagaag ctggtccggg gggggaactg gtgccgccgg    3720

ccacgattcc ccctaaatct ctggcacgca caaatgtttt taaacacacc gagacatctc    3780

ccttacaaga attttagaca aacaagttta cagcatatcc taggttacca gaaaaaatcc    3840

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atctgcgagg tgcaagaaag cctttgaggt gataggtgta tgaaatgtca tcataacaga    180

tgtaaccaaa aacttgataa aaggttgtga aaaaactact aggatcacgc ggcatgtatt    240

gagcatatag gttgctgtag atgaatgttc ttagctgtca tgtttaaaaa tacttctgct    300

tcgttacctc aagtgtggca tgcagcattt tggaaggaaa attgaagacg tgttcaagaa    360

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taaattataa agaaaaaaaa aaaaaaaaag gctgggggat aactcagggc tcaatagcgt    480

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caacattgcg ggagacacca aaagagaaaa caggaagaag caaaagcaca aaggccaaag    600

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tcagcccccc ttcgcacccg cggaggggcg gggccgcgta ccggaagagg cggggccacc      360

ggagtgccta agagctgtct tccgatgtcg ctcttccttt cccgcgcgac cggcgaggga      420

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ccagaactga tgtcaccatg cccagagccc cagctcccca tactgcagaa ctgatgatgg      240

tcatgggggg cagtggagca ggggcaggag agcaggatga gcaggaatgc aataatcaag      300
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gaacaccagc gaaaagcgaa aaaacaccac aaggagaaag aagaaaccag agaaggcaac    720

aagaaaacag agagaaaaca agagggcgag ggggaaaaga gacgcgcgca agaaaaagca    780

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gaaccgcagg cagagacaga gaccagcaag ggcacacaac gacgaacaac gaaacgcagc    900
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<211>  681
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attaatgcat cagaacttta tgttataatc atatggattt atacgtaaat taagaaaaaa   180

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<213>   Homo sapien

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gtaacctggg gatttggtct tctgaaaagg gcaccagatg aaaaactgct cttaagcctc      180

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aaaaaagaaa aaaaaaaaa aggctgtggg gggtactgtg tggccatagg gtgttcccgt      540

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<210> 85
<211> 779
<212> DNA
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<400> 85
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tacctggtag ctatgggtta ttattaacaa ggtattagac tataagaaca aacgatagga   180

caattcaaat tgttgtgaca gtaaaatatt aaatattttc aaagtggtcc agttaaactc   240

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gttaagcaaa tggaaatatc aattaagaat cgtggggtgt ttctctactg agctcagcta   360

gtgctatgcc aagtgaagtg aactaaattc tctggttctt tgtggaaaat cattctgaag   420

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tctagtgtcc ccgcagccag aggaccaaga tgattactcg tggggccttg ggcctactta   540

agagactcaa gcttgggtgt tcacaggact gttgacttgt aattctaaca tatagatttc   600

acttaagttc aacagagatt ctattgaagt cacctgcgtc tggcgaaagg gctgttctag   660

acgctggaga tccatcaata gacgaaaaaa aaaaaaaaca aaaaaaaaa aagcctgggg   720

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<210> 86
<211> 462
<212> DNA
<213> Homo sapien

<400> 86
acacgagtgt gtgtgggtat gcatgtgccc atgagagaga gtatgcatgt gtgtgcatac   60

gaacacaagt tgctgtgctg gagaggaagc tgggaaagga gaggagagca tgcacttttta   120

gtcatccaca tacattccta tgtgtgcaca cacaacatcc acccagagcc tgtctcccaa   180

atcgatggct caaagtcact ttcttatcgt agaccagacc ccacttagac cagcggcttc   240

aaccttggcc tgcacattaa gatcacctga ggagcttgta aaaatcccaa tgaccaggca   300

acaccctaga ccaatacatc agaatttctg gagatgaaat tgggcatcaa tacttcatat   360

caatatttaa tatttatata atctccttgg gtgattccaa tttcctgcca gcgctgagtg   420

ctcctctgca tagaaagccc ttttcctact cccctgctca ga   462

<210> 87
<211> 911
<212> DNA
<213> Homo sapien

<400> 87

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gaaaaccaga accacacacc gggaaaacta gagaccaaaa aactagccta taacaagaac      60

ccaaaacaag accaacccac agaaaagact acaaaaacag aagctgcaca cacacacata     120

aaaaggtgtg cacacagggc acaatgaaaa aaaaaccaga aaaaacaaac ggcccctgaa     180

agggcaccct catccctata aggcctgtaa ccggtgcacc cagagcagac aagacaagga     240

gagtgtgcta caaacatcca caggtgactc tgtgaccaca aacccaaggc tggactgcaa     300

agtgctttca cagggcccca tgagggcagc tcctcgtcat ttatattttg ctgagggtct     360

ccttgaatgg ctgcttgcat aaaagtgttt agaagactgc cgttggaatc tgaatctatc     420

tgaaatgtaa ttccatttcc tggaaatgta cacgagtgtg tgtgggtatg catgtgccca     480

tgagagagag tgtgcatgtg tgtgcatacg aacacaagtt gctgtgctgg agaggaagct     540

gggaaaggag aggagagcat gcactttag tcatccacat acatacatat gtgtgcacac     600

acacacatcc acccagagcc tgtctcccaa atcgatggct caaagtcact ttcttatcgt     660

agaccagacc ccacttagac cagcggcttc aaccttgcct gcacattaag atcacttgag     720

gagcttgtaa aaatcccaat gaccaggcaa caccctagac caatacatca gaatttctgg     780

agatgaaatt gggcatcaat acttcatatc aatatttaat atttatataa tctccttggg     840

tgattccaat ttcctgccag cgctgagtgc tcctctgcat agaaagccct tttcctactc     900

ccctgctcag a                                                          911
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<210> 88
<211> 771
<212> DNA
<213> Homo sapien

<220>
<221> misc_feature
<222> (740)..(740)
<223> a, c, g or t

<400> 88

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tgagcagtaa ggactggtat ctttctgtga gcaataagga ctggataaag actgcctatc     120

cttgtgtcgt gtcagcacca atacaataag gagggtttta atgtgaagca ggcaatcttc     180

ccaagcccct tctggtcttg gatgaaatag ttgcacagag tattgcacca aaaatacaca     240
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atggaggctg aaaagttcaa catattttaa gtcaattaat caaattgcat tgattcttga      300

tgctttctta gaggcctaca tgatttctta gattgctctg ataaactatc ataaggggtc      360

cacttcccct catttagctc ccccagggat ttcttttccc ccatgtcata cacccagtcc      420

taaatcaacc cccaaggcta tccttccatc ccttctgcag agggaacttt tgtcagactc      480

tgcaacaaac tcctagctct atccagagtg tcctctgctg ctaagattgg tatctttctc      540

ctcaaaagcc tggatggtga atggggggtgc attagtcaga attctccaga gaaacagaaa      600

aaataagatt cgcgtgtgtg tgcaacatat attaattaat acaatatatt tattttacaa      660

caacaagacc aaaaaaaaaa aaaagggggg ggaacacctg ggcaaagggg tcccgtggga      720

attgttctcg ccccatcaan cacaaaaaac aaggaaaacg gacccaacaa c              771
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<210>   89
<211>   2238
<212>   DNA
<213>   Homo sapien

<400>   89
cattgctttg ccctggagca gctattttaa gccatctcag attctgtcta aaggggtttt       60

ttgggaagac gttttcttta tcgccctgag aagatctacc ccaggagaat ctgagacatc      120

ttgcctactt ttctttatta gctttctcct cattcatttc ttttatacct ttcctttttg      180

gggagttgtt atgccatgat ttttggtatt tatgtaaaag gattattact aattctattt      240

ctctatgttt attctagtta aggaaatgtt gagggcaagc caccaaatta cctaggctga      300

ggttagagag attggccagc aaaaactaag ctgcctatca gtttgatttg dacaacttga      360

catttatttg agacattaag ctactttctg gtaatatatt aggcatttct gcaatagctc      420

tttcaggtaa ctgaatatta ttaagcatag ttttatcttg ctttgattaa acctcttagg      480

caaaaaatgg aacttcataa gctaatacat tagaaagggg ttatgattat aaatcagaaa      540

tgcttgtgac attaagaaat gaggcacttg tgaaatttct ttgaaatagc cagctcctct      600

aatgtgtctt caaaatataa agtgattcac aaaggcatgc atcacaccta tttgtagcag      660

cccattcatt acataaacca gggcatacct gtgtgggctc tgtgagtgaa gggaggcttc      720

actactttct gtgagcagta aggactggta tctttctgtg agcaataagg actggataaa      780

gactgcatat ccttgtgtcg tgtcagcacc aatacaataa ggagggtttt aatgtgaagc      840

aggcaatctt ccagcccctt ctggtcttgg atgaaatagt tgcacagagt attgcaccaa      900

aaatacacaa tggaggctga aaagttcaac atattttaag tcaattaatc aaattgcatt      960

gattcttgat gctttcttag aggcctacat gatttcttag attgctctga taaactatca     1020
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taaggggtcc acttcccctc atttagctcc cccagggatt tcttttcccc catgtcatac    1080

acccagtcct aaatcaaccc ccaaggctat ccttccatcc cttctgcaga gggaactttt    1140

gtcagactct gcaacaaact cctagctcta tccagagtgt cctctgctgc taagattggt    1200

atctttctcc tcaaaagcct ggatggtgaa tgggggtgca ttagtcagaa ttctccagag    1260

aaacagaaaa aataagattc gcgtgtgtgt gcaaacatat atataaataa ataaaaatat    1320

atttatttta aggaattgac tcacatgatt ttgaaggcag gcaagcccaa agtctgcaag    1380

gggtgggcca gcagagagct ggtgctacag tgcaggtctg aaagttgcca gagtcccttt    1440

tatagagaag cttaaaaaat atttgttgaa ttaaatgtct taggtagaga caaattgaat    1500

taaagtggtt acgtaaatac tcttaggtga aatttgtgca aattatgagt ataagaggg     1560

tgagctacag aactctccat gaccactcaa gaatgggacc caaaggcaaa tgataactta    1620

ttcattcatc aagggataaa cttgagttat caaatggtta atagataaag atcccactct    1680

gccttggatt tagccatcgc agtccctgtg taaaacccca ccggctttca ggcatggaaa    1740

aaaatttcac aaaggccttg aaagaaggca tatgaagacc aaaaggatat tgagcagggt    1800

tccatacttg aataaaggaa gaaactccct tcaatgttta ctaagaaata gttagaatat    1860

agcatatcct gtatagatga aatgtcctag cgaaaatgtt taaatgtatt taaagaagag    1920

ctagattttg tggggggaga gaagggaata ggataggctg gtgggaggaa gaatgaaaaa    1980

aaaaaaactt cgtggaaatt ttggagtaga ttgtgaggag gggtgactca ctttaaagat    2040

gtatcatttg gaggtagaca cgattttcag agcacaaaac agataaggaa agatgtatgc    2100

tgattgtgtg gagcccaagg gaaggcgggt tttggagtct tacgtggctt gtttctgaaa    2160

gggagacatg tgaagcctac tcctgaggcg ggaggctggg acatgacatc agacctataa    2220

tgataacaat agggctgg                                                   2238
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<210>   90
<211>   631
<212>   DNA
<213>   Homo sapien

<400>   90
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gaccttgttt ccattaaaaa agaaaagaaa attagccagg tgtggctgta agcaccaggt     120

gtggccgtaa gcactgtggt ccccagctac atgagaggct taaggcaggt gaatctcttg     180

agcccaggag ttctgcagtg aatcatacct gtgccactgc actccagcct ggcagacaga     240

gcaagatcct gtctcacaaa gaaaaagaca aaaacagtg tataaactaa tccagaaaaa      300
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ggaagcataa acagaaatgt aaaagtagaa atagctacag gcagaacaag gaaatggaaa      360

taatggtaag agcactgtct tttactctgt gcgaatccac gagaaaacag ggaccaaaca      420

ggtggctttc tagaaaactc tcagttacca aaatggttcc cagaaacaca gaaaaatcct      480

caggcacaca acactaaggc agattcataa taataaatta ggaaaagcac acagcacacc      540

tcatgtgctc agcaaaggca attcttaggt gaatactcaa accttcaggg aatagatcat      600

tccacattac tcaagtttcc agagagagag a                                    631
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<210>   91
<211>   471
<212>   DNA
<213>   Homo sapien

<220>
<221>   misc_feature
<222>   (397)..(397)
<223>   a, c, g or t

<400>   91
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gactgcgggc ccgtagctgg gctctgcgag catataggtt gctgtagatg aatgttctta      120

gctgtcatgt ttaaaaatac ttctgcttcg tcacctcaag tgtggcatgc agcattttgg      180

aaggaaaatt gaagacgtgt tcaagaaaac atgaacagaa gcaaatgatg aaaatgagca      240

ttttacttga tgttgataac atcacaataa attatggaga aaaatacaaa aaaaaaaaa      300

aaaaaaaagg cggggcgtag ccagagccat agctggtgcc cggtggtgaa ttggtttacc      360

cgtctccaca attcccacac aaatagcgga agcaacnggc acagcgacaa aggaagcaac      420

tcatgaccga cgcaagtgtg aaaggaacgc gagccagaat acaccacaaa a              471
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<210>   92
<211>   1344
<212>   DNA
<213>   Homo sapien

<400>   92
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gactgcgggc ccgtagctgg gctctgcgag catataggtt gctgtagatg aatgttctta      120

gctgtcatgt ttaaaaatac ttctgcttcg ttacctcaag tgtggcatgc agcattttgg      180

aaggaaaatt gaagacgtgt tcaagaaaac atgaacagaa gcaaatgatg aaaatgagca      240

ttttacttga tgttgataac atcacaataa attatggaga aaaatacata tttggctaac      300

ttttaattgc tgaacaataa agtgttttct tttaaaaaaa taacaacaga acaaaaaaac      360
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tcccgaggaa taagtctcct cctctcctct tcccctcctt ttaaaacatt ggcgcataga    420

aaggcatatg cagggactta taagggtgga aaagacctcc tctttagtga atgtttgtgg    480

ttgcccaagt gaatagaagt gtgtttccca cggtgtgcaa caaaactcta gtgggctaca    540

tagggggggga ccttggaatg cacactgtaa agacctgggg ggtcaatgaa acgcttttgg    600

tggcacacgg ccatgtaggg ccactatctc acagaggttg agcgcacgaa atgcgtggga    660

taccacatct aacgcgatct acccaagtgg gtgccgttgt gggaacaccg gtttgtaaag    720

caacagaggg gaactatgaa aaatcacgga gagagatttt tcccaatata taaaccactg    780

cggattaaac gcctataaaa ggctgtaaga acggcccta taaggagagg acacggccag     840

tcagaaccca aaacacgggg ggggctcctt taggacaggc tgcgagacga ccacacacca    900

caagggtgtg gccgaccctc aaacgggaaa gggtagaacc cccaggggag ggtcctcccc    960

aggcccccgg gggaaaacac actacggtgg gacgcatctg agacagagga gactcgaggg   1020

aataaaacgc ctcggcaaaa gagaaacacg tgtggcggtc atagaacgag cccagtcgcc   1080

gacaaattcg atgggtcgtc ggccccggtg gggacacagg agaagaaata ccccagacag   1140

atgaggggtt ttatccaaaa ggcgccatgt gtgcatcatc acgacgtggg acaggggaga   1200

aagggagtc acccaaaaga gtagggctgc caggtggggc caagtcactg cagaaaggga   1260

cccggggatc tgtgaaattc gcgccacctg ttgcgacgag agagaatgag aagcgggatc   1320

atacggccga cccatgagga acct                                         1344
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<210>    93
<211>    532
<212>    DNA
<213>    Homo sapien

<220>
<221>    misc_feature
<222>    (414)..(414)
<223>    a, c, g or t

<400>    93
tcgcggccga ggtgaaccaa gcaacgccaa ttaccaacaa aatccgttgc gccgcagtga     60

gttagctacc ttctatctcc actttgttct gcacgtcgat ctcaggagaa gccagctccc    120

atgttaagaa gttcaaatac ctagagactg cgatggtttg cagaggctca agctaaccac    180

atggaaagac atggagagat attcctgcca acctcaact actccaacta ttctaagaca     240

tcaaacctaa aaacaaaccg caggtcaccc accggtctga agaggaggat gagagacaaa    300

gaaaaaagtg tctggctgcc tctgctgtct acagattgaa gaagatccat ccagctgagc    360
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ccagcctaga ccagctgact tctccaataa gcctgtatga aataaatgct tatngttatg   420

tgaaaaaaaa aaaaaaaaaa aggggttggg ggtggccagg gccaaaccgg gcccgggggg   480

aattgggttc ccgctcccca atcccccaca aaaagggaca agggttcggg ga   532

<210>   94
<211>   106
<212>   PRT
<213>   Homo sapien

<400>   94

Met Ala Cys Asn Leu Ser Tyr Trp Gly Pro Trp Arg Ala Ala Lys Ser
1   5   10   15

Ile Trp Thr Leu Val Glu Val Gly Gly Leu Ala Val Ser Leu Asp Cys
            20   25   30

Trp Pro Pro Arg His Ser Lys Pro Gly Ala Ala Glu Gly Arg Leu Leu
        35   40   45

Ser Thr Lys Lys Lys Lys Lys Lys Lys Asn Gly Gly Gly Cys Thr Arg
    50   55   60

Gly Arg Lys Arg Gly Cys Arg Gly Gly Asn Gly Val Phe Arg Ala Pro
65   70   75   80

Asn Ser Pro His Ile Leu Ala Lys Glu Lys Cys Lys Arg Lys Lys Lys
            85   90   95

Arg Lys Arg Lys Arg Lys Glu Lys Arg Lys
            100   105

<210>   95
<211>   59
<212>   PRT
<213>   Homo sapien

<400>   95

Met Val Ala Pro Ile Asp Ala Ala Arg Pro Gln Asp Arg Thr Thr Glu
1   5   10   15

Thr Ser His Gln Arg Thr Asn Thr Val Glu Arg Ala Arg Gln Glu Asp
            20   25   30

Gly Gly Arg Val Ser Gly His Thr Ala Asn Arg Ser Thr Cys Arg Ala

                    35   40   45

Asp Gly Ile Gln Ala Asp Pro Gln Gly Gln Gly
    50   55

<210> 96
<211> 114
<212> PRT
<213> Homo sapien

<400> 96

Met Gly Val Phe Thr Phe Val His Pro Gly Leu Asp Ser Phe Leu Arg
1   5   10   15

Gly Ser Leu Ala Leu Tyr Ala His Asn Leu Gly Ser Leu Leu Ser Leu
            20   25   30

Pro Pro Arg Phe Lys Gln Leu Ser Cys Leu Ser Leu Pro Ser Ser Trp
            35   40   45

Glu Tyr Arg Cys Ala Pro Pro Arg Pro Ala Asn Phe Cys Ile Leu Val
    50   55   60

Lys Met Gly Phe Leu His Ile Gly Gln Ala Val Leu Lys Leu Leu Thr
65   70   75   80

Ser Gly Asp Leu Thr Ser Ala Ser Gln Ser Ala Gly Ile Tyr Arg His
            85   90   95

Glu Pro Pro Arg Pro Gly Pro Thr Ser Ser Ile Tyr Thr Val Arg Gln
            100   105   110

Asp Trp

<210> 97
<211> 71
<212> PRT
<213> Homo sapien

<400> 97

Met Leu Ser Ser Leu Ala Gln Val Ile Glu Phe Phe Phe Cys Phe Phe
1   5   10   15

Leu Arg Gln Ser Leu Ala Leu Leu Pro Arg Leu Glu Cys Ser Gly Ala
            20   25   30

Asn Ser Ala His Cys Lys Leu Arg Leu Pro Gly Ser Cys His Ser Pro
        35   40   45

Val Ser Ala Ser Pro Val Ala Gly Thr Thr Gly Ala Arg His His Thr
        50   55   60

Gln Leu Ile Phe Val Phe Tyr
65   70

<210> 98
<211> 62
<212> PRT
<213> Homo sapien

<400> 98

Phe Phe Glu Thr Glu Ser Arg Ser Val Ala Gln Ala Gly Val Gln Trp
1   5   10   15

Cys Glu Leu Gly Ser Leu Gln Ala Pro Pro Pro Gly Phe Met Pro Leu
        20   25   30

Ser Cys Leu Ser Leu Pro Ser Ser Trp Asp Tyr Arg Arg Pro Pro Pro
        35   40   45

His Pro Ala Asn Phe Cys Ile Leu Leu Glu Met Gly Phe His
        50   55   60

<210> 99
<211> 99
<212> PRT
<213> Homo sapien

<400> 99

Met Thr Gly His Arg Thr Arg Pro Ala Tyr Leu Pro Val Lys Ala Ser
1   5   10   15

Ser Pro Gly Arg Tyr Pro Arg Thr Trp Asp Glu Gln Pro Gly Ser Pro
        20   25   30

Glu Asp Thr Tyr Leu Ala Arg Arg Thr Ala Ser Ala Ser Trp Thr Ala
        35   40   45

Arg Arg Leu Leu Ala Ser Leu Tyr Ser Gln Pro His Arg Gly Pro Glu
        50   55   60

Gln Val Pro Gln Gly Gly Thr Ser Ile Ser Ala Leu His Asp Ala Leu
65   70   75   80

Glu Ala Leu His His His Asp Asn Ala Glu Arg Ala Ser His Gly Arg
            85   90   95

Pro Gly Lys

<210> 100
<211> 75
<212> PRT
<213> Homo sapien

<400> 100

Met Cys Phe Val Lys Gln Met Leu Glu Gly Ser Met Leu Val Lys Ser
1   5   10   15

His His Gln Ser Leu Ile Ser Ser Asn Gln Gly His Lys His Cys Gly
            20   25   30

Arg Pro Gln Gly Pro Leu Pro Arg Lys Thr Arg Asp Leu Cys Ser Leu
            35   40   45

Val Tyr Leu Leu Thr Phe Pro Pro Leu Leu Ser His Asp Pro Ala Lys
    50   55   60

Tyr Pro Ser Val Arg Asn Thr Gln Gly Ile Ile
65   70   75

<210> 101
<211> 110
<212> PRT
<213> Homo sapien

<400> 101

Met Thr Leu Asn Glu His Ala Ala Phe Lys His Leu Phe Asn Lys Ala
1   5   10   15

His Leu Ala Leu Pro Leu Ile His Leu Thr Leu Ser Gly His Arg Thr
            20   25   30

Cys Phe Arg Glu His Arg Val Gly Gly Lys Val Thr Asp Gln Gln Asp
            35   40   45

Pro Lys Ala Glu Glu Phe Phe Leu Val Ala Asn Lys Met Lys Ser Leu
    50   55   60

Pro Cys Leu Leu Leu Ser Thr Gln Thr Arg Gln Pro Ser Asp Phe Ser
65   70   75   80

Ile Phe Ser Pro Pro Phe Pro Pro Phe Tyr Ser Thr Lys Pro Pro Ser
            85   90   95

Ser Ser Trp Pro Val Leu Asn Glu Leu Leu Gly Thr Cys Pro
            100   105   110

<210> 102
<211> 61
<212> PRT
<213> Homo sapien

<400> 102

Met Pro Leu His Ser Ser Leu Gly Asn Ile Val Arg Ser Cys Leu Lys
1   5   10   15

Asn Asn Asn Asn Lys Ile Gly Arg Ala Arg Trp Leu Thr Pro Val Ile
            20   25   30

Pro Ala Leu Trp Glu Ala Lys Ala Gly Gly Ser Arg Gly Gln Glu Ile
            35   40   45

Lys Thr Ile Leu Ala Asn Thr Val Lys Pro His Leu Tyr
    50   55   60

<210> 103
<211> 120
<212> PRT
<213> Homo sapien

<400> 103

Phe Phe Leu Cys Phe Phe Phe Leu Glu Trp Ser Leu Ala Val Leu Pro
1   5   10   15

Arg Leu Glu Cys Ser Gly Ala Ile Ser Ala His Cys Lys Leu His Leu
            20   25   30

Pro Gly Ser Arg His Ser Pro Ala Ser Ala Ser Leu Val Ala Gly Thr
            35   40   45

Thr Gly Ala His His His Thr Arg Ala Lys Phe Phe Val Phe Leu Val

```
                   50                      55                          60


Glu Met Gly Phe His Arg Val Ser Gln Asp Gly Leu Asp Leu Leu Thr
65                    70                  75                  80


Ser Asp Pro Pro Ala Leu Ala Ser Gln Ser Ala Gly Ile Thr Gly Val
              85                  90                  95


Ser His Arg Ala Arg Pro Ile Leu Leu Leu Leu Phe Leu Arg Gln Asp
              100             105                 110


Leu Thr Met Phe Pro Arg Leu Arg
          115             120


<210>   104
<211>   37
<212>   PRT
<213>   Homo sapien

<400>   104

Met Arg Thr Ser Ser Ser Ile Val Asp Ser Asp His Cys Val Ser Ser
1               5                   10                  15


Met Ala Leu Pro Pro Ala Val Ser Tyr Phe Ala Pro Ser Gly His Leu
              20                  25                  30


Leu Arg Gln Tyr Asp
          35


<210>   105
<211>   67
<212>   PRT
<213>   Homo sapien

<400>   105

Met Glu Lys Pro His His Ala Leu Ser His Lys Lys Gln Asn Thr His
1               5                   10                  15


His Asp Asp Thr His Pro Thr Ala Pro His Thr Asn Pro His Gln Ala
              20                  25                  30


Thr Thr Gln His Asn Thr Asn Asn His Thr His His Lys Met Thr Arg
          35                  40                  45


Lys Thr His Thr Glu Gln Thr Asn Thr Ala His Pro Gln Arg Val Ser
      50                  55                  60
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Ala Lys Val
65

<210> 106
<211> 164
<212> PRT
<213> Homo sapien

<400> 106

Met Pro Gly Phe Val Leu Phe Phe Arg Phe Leu Leu Val Phe Phe Cys
1   5   10   15

Ser Phe Val Val Ser Cys Ser Phe Leu Phe Phe Phe Arg Val Phe Ser
                20   25   30

Phe Trp Arg Ala Val Val Arg Val Phe Ser Phe Cys Phe Ala Phe Ser
            35   40   45

Ser Phe Phe Phe Leu Ser Phe Val Cys Leu Ser Leu Cys Cys Phe Phe
        50   55   60

Ser Phe Ser Cys Leu Val Ser Cys Val Ala Val Leu Arg Leu Gly Arg
65   70   75   80

Ser Leu Gly Ser Leu Cys Ser Ser Val Ala Leu Phe Pro Pro Val Phe
            85   90   95

Phe Phe Leu Cys Ser Pro Val Ala Asp Gly Arg Ile Cys Cys Ala Cys
            100   105   110

Leu Ser Phe Phe Phe Phe Pro Leu Phe Leu Ala Leu Leu Ser Val Phe
        115   120   125

Val Leu Leu Phe Ser Ala Leu Phe Trp Ser Phe Ser Ala Phe Val Phe
        130   135   140

Phe Phe Ile Asp Leu Ser Leu Ser Leu Cys Ala Leu Ser Leu Met His
145   150   155   160

Pro Phe Thr Asn

<210> 107
<211> 82

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<212>   PRT
<213>   Homo sapien

<400>   107

Met Ala Trp Leu Gly Leu Arg Gly Leu Thr Phe Leu Pro Ser Tyr Ile
1               5                   10                  15


Asn Lys Lys Asn Lys Thr Asn Ser Val Glu Val Leu Gly Trp Gln Lys
            20                  25                  30


Phe Leu Gly Gly Asp Met Glu Arg Glu Trp Ala Met Phe Leu Arg Ala
            35                  40                  45


Ala Ser Ser Gly Ile Arg Gly Gly Val Gly Thr Phe His Cys Glu Ser
            50                  55                  60


Tyr Pro Lys Leu Gly Ile Arg Asp Gly Leu Gly Gly Ser Arg Asp Leu
65                  70                  75                  80


Gly Arg


<210>   108
<211>   1054
<212>   PRT
<213>   Homo sapien

<400>   108

Met Pro Arg Leu Lys Glu Ser Arg Ser His Glu Ser Leu Leu Ser Pro
1               5                   10                  15


Ser Ser Ala Val Glu Ala Leu Asp Leu Ser Met Glu Glu Glu Val Val
            20                  25                  30


Ile Lys Pro Val His Ser Ser Ile Leu Gly Gln Asp Tyr Cys Phe Glu
            35                  40                  45


Val Thr Thr Ser Ser Gly Ser Lys Cys Phe Ser Cys Arg Ser Ala Ala
            50                  55                  60


Glu Arg Asp Lys Trp Met Glu Asn Leu Arg Arg Ala Val His Pro Asn
65                  70                  75                  80


Lys Asp Asn Ser Arg Arg Val Glu His Ile Leu Lys Leu Trp Val Ile
                85                  90                  95
```

Glu Ala Lys Asp Leu Pro Ala Lys Lys Lys Tyr Leu Cys Glu Leu Cys
100   105   110

Leu Asp Asp Val Leu Tyr Ala Arg Thr Thr Gly Lys Leu Lys Thr Asp
115   120   125

Asn Val Phe Trp Gly Glu His Phe Glu Phe His Asn Leu Pro Pro Leu
130   135   140

Arg Thr Val Thr Val His Leu Tyr Arg Glu Thr Asp Lys Lys Lys Lys
145   150   155   160

Lys Glu Arg Asn Ser Tyr Leu Gly Leu Val Ser Leu Pro Ala Ala Ser
165   170   175

Val Ala Gly Arg Gln Phe Val Glu Lys Trp Tyr Pro Val Val Thr Pro
180   185   190

Asn Pro Lys Gly Gly Lys Gly Pro Gly Pro Met Ile Arg Ile Lys Ala
195   200   205

Arg Tyr Gln Thr Ile Thr Ile Leu Pro Met Glu Met Tyr Lys Glu Phe
210   215   220

Ala Glu His Ile Thr Asn His Tyr Leu Gly Leu Cys Ala Ala Leu Glu
225   230   235   240

Pro Ile Leu Ser Ala Lys Thr Lys Glu Glu Met Ala Ser Ala Leu Val
245   250   255

His Ile Leu Gln Ser Thr Gly Lys Val Lys Asp Phe Leu Thr Asp Leu
260   265   270

Met Met Ser Glu Val Asp Arg Cys Gly Asp Asn Glu His Leu Ile Phe
275   280   285

Arg Glu Asn Thr Leu Ala Thr Lys Ala Ile Glu Glu Tyr Leu Lys Leu
290   295   300

Val Gly Gln Lys Tyr Leu Gln Asp Ala Leu Gly Glu Phe Ile Lys Ala
305   310   315   320

Leu Tyr Glu Ser Asp Glu Asn Cys Glu Val Asp Pro Ser Lys Cys Ser
325   330   335

Ala Ala Asp Leu Pro Glu His Gln Gly Asn Leu Lys Met Cys Cys Glu
        340   345   350

Leu Ala Phe Cys Lys Ile Ile Asn Ser Tyr Cys Val Phe Pro Arg Glu
        355   360   365

Leu Lys Glu Val Phe Ala Ser Trp Arg Gln Glu Cys Ser Ser Arg Gly
        370   375   380

Arg Pro Asp Ile Ser Glu Arg Leu Ile Ser Ala Ser Leu Phe Leu Arg
385   390   395   400

Phe Leu Cys Pro Ala Ile Met Ser Pro Ser Leu Phe Asn Leu Leu Gln
            405   410   415

Glu Tyr Pro Asp Asp Arg Thr Ala Arg Thr Leu Thr Leu Ile Ala Lys
            420   425   430

Val Thr Gln Asn Leu Ala Asn Phe Ala Lys Phe Gly Ser Lys Glu Glu
        435   440   445

Tyr Met Ser Phe Met Asn Gln Phe Leu Glu His Glu Trp Thr Asn Met
    450   455   460

Gln Arg Phe Leu Leu Glu Ile Ser Asn Pro Glu Thr Leu Ser Asn Thr
465   470   475   480

Ala Gly Phe Glu Gly Tyr Ile Asp Leu Gly Arg Glu Leu Ser Ser Leu
            485   490   495

His Ser Leu Leu Trp Glu Ala Val Ser Gln Leu Glu Gln Ser Ile Val
            500   505   510

Ser Lys Leu Gly Pro Leu Pro Arg Ile Leu Arg Asp Val His Thr Ala
        515   520   525

Leu Ser Thr Pro Gly Ser Gly Gln Leu Pro Gly Thr Asn Asp Leu Ala
        530   535   540

Ser Thr Pro Gly Ser Gly Ser Ser Ser Ile Ser Ala Gly Leu Gln Lys
545   550   555   560

Met Val Ile Glu Asn Asp Leu Ser Gly Leu Ile Asp Phe Thr Arg Leu

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                   565                    570                     575

Pro Ser Pro Thr Pro Glu Asn Lys Asp Leu Phe Phe Val Thr Arg Ser
        580                 585                 590

Ser Gly Val Gln Pro Ser Pro Ala Arg Ser Ser Ser Tyr Ser Glu Ala
        595                 600                 605

Asn Glu Pro Asp Leu Gln Met Ala Asn Gly Gly Lys Ser Leu Ser Met
    610                 615                 620

Val Asp Leu Gln Asp Ala Arg Thr Leu Asp Gly Glu Ala Gly Ser Pro
625                 630                 635                     640

Ala Gly Pro Asp Val Leu Pro Thr Asp Gly Gln Ala Ala Ala Ala Gln
            645                 650                 655

Leu Val Ala Gly Trp Pro Ala Arg Ala Thr Pro Val Asn Leu Ala Gly
            660                 665                 670

Leu Ala Thr Val Arg Arg Ala Gly Gln Thr Pro Thr Thr Pro Gly Thr
        675                 680                 685

Ser Glu Gly Ala Pro Gly Arg Pro Gln Leu Leu Ala Pro Leu Ser Phe
    690                 695                 700

Gln Asn Pro Val Tyr Gln Met Ala Ala Gly Leu Pro Leu Ser Pro Arg
705                 710                 715                     720

Gly Leu Gly Asp Ser Gly Ser Glu Gly His Ser Ser Leu Ser Ser His
            725                 730                 735

Ser Asn Ser Glu Glu Leu Ala Ala Ala Ala Lys Leu Gly Ser Phe Ser
            740                 745                 750

Thr Ala Ala Glu Glu Leu Ala Arg Arg Pro Gly Glu Leu Ala Arg Arg
        755                 760                 765

Gln Met Ser Leu Thr Glu Lys Gly Gly Gln Pro Thr Val Pro Arg Gln
    770                 775                 780

Asn Ser Ala Gly Pro Gln Arg Arg Ile Asp Gln Pro Pro Pro Pro Pro
785                 790                 795                     800
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Pro Pro Pro Pro Pro Ala Pro Arg Gly Arg Thr Pro Pro Asn Leu Leu
            805   810   815

Ser Thr Leu Gln Tyr Pro Arg Pro Ser Ser Gly Thr Leu Ala Ser Ala
         820   825   830

Ser Pro Asp Trp Val Gly Pro Ser Thr Arg Leu Arg Gln Gln Ser Ser
         835   840   845

Ser Ser Lys Gly Asp Ser Pro Glu Leu Lys Pro Arg Ala Val His Lys
  850   855   860

Gln Gly Pro Ser Pro Val Ser Pro Asn Ala Leu Asp Arg Thr Ala Ala
865   870   875   880

Trp Leu Leu Thr Met Asn Ala Gln Leu Leu Glu Asp Glu Gly Leu Gly
         885   890   895

Pro Asp Pro Pro His Arg Asp Arg Leu Arg Ser Lys Asp Glu Leu Ser
         900   905   910

Gln Ala Glu Lys Asp Leu Ala Val Leu Gln Asp Lys Leu Arg Ile Ser
         915   920   925

Thr Lys Lys Leu Glu Glu Tyr Glu Thr Leu Phe Lys Cys Gln Glu Glu
     930   935   940

Thr Thr Gln Lys Leu Val Leu Glu Tyr Gln Ala Arg Leu Glu Glu Gly
945   950   955   960

Glu Glu Arg Leu Arg Arg Gln Gln Glu Asp Lys Asp Ile Gln Met Lys
         965   970   975

Gly Ile Ile Ser Arg Leu Met Ser Val Glu Glu Glu Leu Lys Lys Asp
         980   985   990

His Ala Glu Met Gln Ala Ala Val Asp Ser Lys Gln Lys Ile Ile Asp
         995   1000   1005

Ala Gln Val Tyr Thr Ala Leu Arg Ser Leu Ser His Asp Pro Arg
    1010   1015   1020

Ser His Pro His Cys Pro Gln Glu Lys Arg Ile Ala Ser Leu Asp
    1025   1030   1035

Ala Ala   Asn Ala Arg Leu Met   Ser Ala Leu Thr Gln   Leu Lys Glu
    1040   1045   1050

Arg

<210> 109
<211> 69
<212> PRT
<213> Homo sapien

<400> 109

Met Ser His His Ala Arg Pro His Leu Phe Phe Ile Arg Ser Ser Val
1   5   10   15

Gly Arg His Leu His Cys Phe Gln Ile Leu Ala Ile Val Asn Ser Ala
        20   25   30

Ala Ile Asn Ile Arg Val Gln Thr Ser Leu Pro His Leu Ile Ser Phe
        35   40   45

Leu Leu Gly Ile Tyr Leu Ala Val Glu Leu Leu Asp His Met Val Ala
    50   55   60

Leu Phe Leu Val Phe
65

<210> 110
<211> 204
<212> PRT
<213> Homo sapien

<400> 110

Met Phe Arg Gly Gly Glu Leu Trp Gly Ala Arg Gly Glu Ile Thr His
1   5   10   15

Phe Leu Thr Thr Pro His Gly Gly Lys Thr Pro Ile Leu Ala Pro Pro
        20   25   30

Arg Cys Val Tyr Pro Pro Thr Pro Arg Ala Leu Val Phe Val Phe Phe
        35   40   45

Ser Phe Tyr Phe Phe Phe Pro Ser Val Ser Val Cys Ser Pro Trp Leu
    50   55   60

Leu Pro Tyr Cys Phe Ala Ser Arg Gly Lys Ser His Ser Arg Lys Asn
65   70   75   80

Gly Ile Tyr Thr Glu Thr Cys Phe Gln Pro Thr Lys Glu Val Asn Pro
                85   90   95

Leu Glu Leu Pro Asn Ala Asn Pro Ile Phe Pro Ala Pro Lys Met Thr
                100   105   110

Phe Met Glu Arg Thr Arg Glu Glu Thr Lys Arg Ser Lys Arg Gly Phe
        115   120   125

Phe Tyr Thr Ala Ser Asp Gly Thr Pro Ser Val Tyr Ala Pro Gly Ala
        130   135   140

Arg Ala Pro Pro Glu Leu Leu Leu Thr Phe Ile Arg Ala Gly Met Gln
145   150   155   160

Leu Ala Ser Phe Asn Gln Ser Trp Met Asp Arg Thr Pro Ile Leu Thr
                165   170   175

Val Arg Ala Cys Lys Asp Ser Ser Gln Glu Leu Leu Tyr Ala Val Val
                180   185   190

Ser Val Gln Ser Arg Asn Ala Ile Cys Arg Glu Val
        195   200

<210> 111
<211> 35
<212> PRT
<213> Homo sapien

<400> 111

Met Leu Thr His Thr Phe Ser Arg Glu Asn Leu Gly Tyr Val Gln Tyr
1   5   10   15

Met Tyr Phe Lys Thr Glu Gly Ser Met Ser Phe Leu Arg Asp Cys His
                20   25   30

Gln His Gly
        35

<210> 112
<211> 99
<212> PRT
<213> Homo sapien

<400> 112

Met Glu His Thr Ile Arg Phe Tyr Thr Glu Thr Phe His Cys Pro Gly
1   5   10   15

Thr Gly Arg Arg Gln Met Pro Ser Ser Cys Leu Asn Cys Lys Glu Ala
            20   25   30

Phe Leu Leu Leu Thr Leu Ile Leu Leu Ser Thr Asp Pro Leu Arg Val
        35   40   45

Ser Gly Trp Gly Asp Gly Gln Val Phe Pro Phe Pro Arg Gly His Ile
    50   55   60

Ser Asp Tyr His Met Gly Arg Asn Leu Gly Gln Tyr Leu Ala Phe Leu
65   70   75   80

Gly Arg Gly Pro Cys Ser Leu Pro Gln Cys Leu Cys Pro Gly Tyr Leu
            85   90   95

Pro Gly Arg

<210> 113
<211> 93
<212> PRT
<213> Homo sapien

<400> 113

Met Gly Leu Gly Val Ile Gln Thr Thr Arg Asn Asn Lys Thr Lys Lys
1   5   10   15

Lys Asn Lys Glu Gly Ser Trp Gly Gly Pro Lys Gly Pro Lys Arg Gly
            20   25   30

Val Pro Arg Gly Trp Glu Lys Glu Glu Arg Arg Gly Gly Glu Lys Asn
        35   40   45

Ser Pro Pro Lys Ile Arg Gly Gly His Asn Arg His Met Trp Ile Arg
    50   55   60

Glu Asn Lys Arg Lys Glu Lys Arg Arg Gly Glu Thr Arg Asn Lys Lys
65   70   75   80

Glu Glu Arg Lys Lys Ala Lys Lys Gln Arg Lys Glu Lys

<210> 114
<211> 69
<212> PRT
<213> Homo sapien

<400> 114

Met Ser Gln Glu Lys Asp Phe His Lys Val Met Ser Ser Leu Lys Ala
1   5   10   15

Arg Thr Gly His Leu His Phe Phe Cys Gly Gly Arg Ser Ser Val Lys
                20   25   30

Val Gly Gln Ser Ile Phe Thr Ser Phe Val Ile Leu Gln Leu Leu Gln
            35   40   45

Ala Ile Trp Ala Tyr Thr Cys Lys Ser Gln Gly Met Arg Trp Leu Gly
        50   55   60

Leu Gly Ser Glu Ala
65

<210> 115
<211> 843
<212> PRT
<213> Homo sapien

<400> 115

Val Asn Asn Glu Ile Lys Thr Glu Ile Lys Lys Phe Phe Glu Thr Ser
1   5   10   15

Glu Asn Lys Asp Thr Thr Tyr Gln Asn Leu Trp Asp Ala Phe Lys Ala
            20   25   30

Val Cys Arg Gly Lys Phe Ile Ala Leu Asn Ala His Lys Arg Lys Gln
            35   40   45

Glu Arg Ser Lys Ile Asp Ile Leu Thr Ser Gln Leu Lys Glu Leu Glu
        50   55   60

Lys Gln Glu Gln Thr His Ser Lys Ala Ser Arg Arg Gln Glu Ile Thr
65   70   75   80

Glu Ile Arg Ala Glu Leu Lys Glu Ile Glu Thr Gln Lys Thr Leu Gln
                85   90   95

Lys Ile Asn Glu Ser Arg Ser Trp Phe Phe Glu Arg Ile Asn Lys Ile
          100   105   110

Asp Arg Pro Leu Ala Arg Leu Ile Lys Lys Lys Arg Gln Lys Asn Gln
        115   120   125

Ile Asp Ala Ile Lys Asn Asp Lys Gly Asp Ile Thr Thr Asp Pro Thr
   130   135   140

Glu Ile Gln Thr Thr Ile Arg Glu Tyr Tyr Lys His Leu Tyr Ala Asn
145   150   155   160

Lys Leu Glu Asn Leu Glu Glu Met Asp Lys Phe Leu Asp Thr Tyr Thr
          165   170   175

Leu Pro Arg Leu Asn Gln Glu Glu Ala Glu Ser Leu Asn Arg Pro Ile
        180   185   190

Thr Gly Ser Glu Ile Val Ala Ile Ile Asn Ser Leu Pro Thr Lys Lys
      195   200   205

Ser Pro Gly Pro Asp Gly Phe Thr Ala Glu Phe Tyr Gln Arg Tyr Lys
   210   215   220

Glu Glu Leu Val Pro Phe Leu Leu Lys Leu Phe Gln Ser Ile Glu Lys
225   230   235   240

Glu Gly Ile Leu Pro Asn Ser Phe Tyr Glu Ala Ser Ile Ile Leu Ile
          245   250   255

Pro Lys Leu Gly Arg Asp Thr Thr Lys Lys Glu Asn Phe Arg Pro Ile
        260   265   270

Ser Leu Met Asn Thr Asp Ala Lys Ile Leu Asn Lys Ile Leu Thr Asn
      275   280   285

Arg Ile Gln Gln His Ile Lys Lys Leu Ile His His Asp Gln Val Gly
   290   295   300

Phe Ile Pro Gly Met Gln Gly Trp Phe Asn Ile Cys Lys Ser Ile Asn
305   310   315   320

Val Ile Gln Tyr Ile Asn Arg Ala Lys Asp Lys Asn His Met Ile Ile

325   330   335

Ser Ile Asp Ala Glu Lys Ala Phe Asp Lys Ile Gln Gln Pro Phe Met
            340   345   350

Leu Lys Thr Leu Asn Lys Leu Gly Ile Asp Gly Thr Tyr Phe Lys Ile
            355   360   365

Ile Arg Ala Ile Tyr Asp Lys Pro Thr Ala Asn Ile Ile Leu Asn Gly
        370   375   380

Gln Lys Leu Glu Ala Phe Pro Leu Lys Thr Gly Thr Arg Gln Gly Cys
385   390   395   400

Pro Leu Ser Pro Val Leu Phe Asn Val Val Leu Glu Val Leu Ala Arg
                405   410   415

Ala Ile Arg Gln Glu Lys Glu Ile Lys Gly Ile Gln Ile Gly Lys Glu
            420   425   430

Glu Val Lys Leu Ser Leu Phe Ala Asp Asp Met Ile Val Tyr Leu Glu
            435   440   445

Asn Pro Ile Val Ser Ala Gln Asn Leu Leu Lys Leu Ile Ser Asn Phe
        450   455   460

Ser Lys Val Ser Gly Tyr Lys Ile Asn Val Gln Lys Ser Gln Arg Ile
465   470   475   480

Lys Tyr Leu Gly Ile Gln Leu Thr Arg Asp Val Lys Asp Leu Phe Lys
                485   490   495

Lys Asn Tyr Lys Pro Leu Leu Lys Glu Ile Lys Glu Asp Thr Asn Lys
            500   505   510

Trp Lys Asn Ile Pro Cys Ser Trp Ile Gly Arg Ile Asn Ile Met Lys
            515   520   525

Met Ala Ile Leu Pro Arg Val Ile Tyr Arg Phe Asn Ala Ile Pro Ile
        530   535   540

Lys Leu Pro Met Pro Phe Phe Thr Glu Leu Glu Lys Thr Thr Leu Lys
545   550   555   560

Phe Ile Trp Asn Glu Lys Thr Ala Arg Ile Ala Lys Leu Ile Leu Ser
            565   570   575

Gln Lys Asn Lys Ala Gly Gly Ile Thr Leu Pro Asp Phe Lys Leu Tyr
            580   585   590

Tyr Lys Pro Thr Val Thr Lys Thr Ala Trp Tyr Trp Tyr Gln Asn Arg
            595   600   605

Asp Ile Asp Gln Trp Asn Arg Thr Glu Pro Ser Glu Ile Thr Pro His
    610   615   620

Thr Tyr Asn Tyr Arg Ile Phe Asp Lys Pro Glu Lys Asn Lys Gln Trp
625   630   635   640

Gly Lys Asp Ser Leu Phe Asn Lys Trp Cys Trp Glu Asn Trp Leu Ala
            645   650   655

Ile Cys Arg Lys Leu Lys Leu Asp Pro Phe Leu Thr Pro Ser Thr Lys
            660   665   670

Ile Asn Ser Arg Trp Ile Lys Asp Leu Asn Val Arg Pro Lys Thr Ile
            675   680   685

Lys Thr Leu Glu Glu Asn Leu Gly Ile Thr Ile Gln Asp Ile Gly Met
    690   695   700

Gly Lys Asp Phe Met Ser Lys Thr Pro Lys Ala Met Ala Thr Lys Ala
705   710   715   720

Lys Ile Asp Lys Trp Asp Leu Ile Lys Leu Lys Ser Phe Cys Thr Ala
            725   730   735

Lys Glu Thr Thr Ile Arg Val Asn Arg Gln Pro Thr Lys Trp Glu Lys
            740   745   750

Ile Phe Ala Thr Tyr Ser Ser Asp Lys Gly Leu Ile Ser Arg Ile Tyr
            755   760   765

Asn Glu Leu Lys His Ile Tyr Lys Lys Lys Thr Asn Ser Pro Ile Lys
    770   775   780

Lys Trp Met Lys Asp Met Asn Arg His Phe Ser Lys Glu Asp Ile Tyr
785   790   795   800

Ala Ala Lys Lys His Met Lys Lys Cys Ser Ser Ser Leu Ala Ile Arg
       805   810   815

Glu Met Gln Ile Lys Thr Thr Met Arg Tyr His Leu Thr Pro Val Arg
       820   825   830

Met Ala Ile Ile Lys Lys Ser Gly Ser Asn Arg
      835   840

<210> 116
<211> 93
<212> PRT
<213> Homo sapien

<400> 116

Met Leu Ala Arg Met Val Ser Ile Ser Glu Pro Cys Asp Pro Pro Gln
1   5   10   15

Leu Gly Leu Pro Lys Cys Trp Asp His Lys Cys Lys Pro Leu Arg Pro
      20   25   30

Ala Leu Phe Ser Leu Gly Ile Tyr Pro Glu Val Glu Leu Leu Val His
      35   40   45

Leu Ala Asn Ser Ser Phe Asn Phe Leu Arg Thr Glu His Cys Pro Gln
   50   55   60

Trp Leu Tyr Thr Phe His Phe Pro Thr Asp Ser Ile Gln Glu Phe Pro
65   70   75   80

Ile Glu Ser Thr Phe Phe Gln Thr Tyr Phe Leu Phe Phe
         85   90

<210> 117
<211> 62
<212> PRT
<213> Homo sapien

<400> 117

Gly Ala Val Ala Tyr Thr Cys Asp Pro Ser Thr Leu Gly Gly Gln Val
1   5   10   15

Gly Ala Asp His Lys Val Arg Arg Ser Arg Pro Ser Trp Pro Thr Trp
      20   25   30

Ala Asn Pro Val Ser Thr Lys Ile Glu Lys Ile Ser Trp Ala Trp Trp
        35   40   45

Leu Ala Pro Val Ile Pro Ala Arg Leu Thr Val Lys Ala Ala
        50   55   60

<210> 118
<211> 53
<212> PRT
<213> Homo sapien

<400> 118

Met Lys Ser Leu Pro Cys Leu Leu His Phe His Thr Asp Thr Ala Thr
1   5   10   15

Ile Arg Phe Leu Asn Leu Phe Pro Thr Val Ser Arg Leu Ser Ile Pro
        20   25   30

Gln Ser Arg His Arg His Pro Gly Pro Phe Ser Met Ser Cys Trp Val
        35   40   45

Pro Ala Arg Ala Ala
        50

<210> 119
<211> 112
<212> PRT
<213> Homo sapien

<400> 119

Leu Ser Glu His Ala Ala Leu Lys His Leu Phe Asn Lys Ala His His
1   5   10   15

Cys Thr Cys Pro Leu Ile His Leu Thr Leu Ser Gly His Thr Thr Cys
        20   25   30

Phe Arg Glu His Arg Val Arg Gly Lys Val Thr Asp Gln Gln Asp Pro
        35   40   45

Lys Ala Glu Glu Phe Phe Leu Val Ala Asn Lys Met Lys Ser Leu Pro
    50   55   60

Cys Leu Phe Ile Ser Thr Gln Thr Arg Gln Pro Ser Asp Phe Ser Ile
65   70   75   80

Phe Ser Pro Pro Phe Pro Pro Phe Tyr Ser Thr Lys Pro Pro Ser Ser

Ser Trp Pro Val Leu Asn Glu Leu Leu Gly Thr Cys Pro Gly Gly Arg
            100   105   110

<210> 120
<211> 209
<212> PRT
<213> Homo sapien

<400> 120

Met Gly Arg Trp Glu Glu Ser Gln Ser Thr Gly Gln Gly Glu Asp Ser
1   5   10   15

Gly Ser His Gly Val Ser Pro Thr Ala Ser Ala Pro Leu Cys Cys Trp
            20   25   30

Arg Gly Pro Glu Pro His Tyr Ser Leu Tyr Arg Gly Pro Arg Arg Gly
        35   40   45

Ala Leu Gly Arg Ser Arg Gly Trp Leu Thr Arg Glu Asp Thr Lys Val
    50   55   60

Glu Gly Gly Phe Leu Leu Arg Glu Arg Pro Glu Asn Asn Gln Gly Thr
65   70   75   80

Pro Gln His Ala Val Pro Thr Leu Asp Gly Arg Pro Pro Ser Thr Thr
            85   90   95

Asp Asp Ser Gly Arg Arg Ile Gly His Pro Arg Arg Ile His Trp Pro
            100   105   110

Ser Thr Leu Arg Asp Cys Pro Met Val Asn Gln Arg Lys Gly Arg Thr
        115   120   125

Gly Arg Gly Gln Thr Pro Gly Cys Ser Thr His Gly Thr Thr Phe Pro
    130   135   140

Leu Thr Ser Ile Pro Lys Ser Ser Pro Cys Gln Met Leu Ala Ser Ala
145   150   155   160

Asn Val Ser Glu Ala His Met Val Ser Ser Leu Ser Arg Thr Pro Met
            165   170   175

Leu Ser Leu Pro Ala Arg Leu Cys Ala Ser Met Gly Asp Asp Leu Ser

                              180   185   190

Pro Thr Leu Arg Pro Glu Ala Ile His Ser His Asn Ala Pro Ala Arg
        195   200   205

Ala

<210> 121
<211> 118
<212> PRT
<213> Homo sapien

<400> 121

Met Asp Glu Arg Arg Pro Gly Arg Tyr Leu Gly Leu Pro Glu Tyr Thr
1   5   10   15

Lys Phe Arg Glu Pro Thr Phe Thr Pro Asp Cys Ala Trp Ser Lys Pro
            20   25   30

Glu Ser Ser Leu Pro Arg Gly Leu Phe Gln Pro Ile Pro Leu Phe Trp
            35   40   45

Lys Val Ile Leu Gly Ile Glu Thr Glu Asn Trp Asp Lys Gly Ser Leu
        50   55   60

Arg Lys Thr Lys Thr Asn Asn Glu Thr Gly Asp Met Leu Phe Ser Leu
65   70   75   80

Asn Pro Ser Gln Ile Cys Cys Leu Ala Leu Thr His Val Glu Ile Cys
                85   90   95

Lys Leu Cys Gln Asp Phe Pro Val His Gly Gly Glu Ser His Val Gly
            100   105   110

Lys Lys Lys Phe Thr Val
            115

<210> 122
<211> 42
<212> PRT
<213> Homo sapien

<400> 122

Met Ala Thr Pro Pro Ala Lys Cys Leu Ser Gln Asp Leu Asp Ser Ser
1   5   10   15

Pro Trp Asp Pro His Ala Arg Glu Ala Asp Cys Ser Ala Pro Thr Gly
            20   25   30

Ser Leu His Glu Val Val Pro Gln His Cys
        35   40

<210>   123
<211>   59
<212>   PRT
<213>   Homo sapien

<400>   123

Met Thr Phe Gly Val Pro Asn Ser Val Ser Thr Leu Thr Ser Lys Lys
1   5   10   15

Lys Lys Arg Lys Lys Lys Lys Gly Arg Gly Val Pro Trp Ala Arg Arg
            20   25   30

Val Pro Val Val Glu Leu Phe Phe Pro Ser Gln Phe Pro Pro Phe Phe
            35   40   45

Thr Thr Met Val Ser Leu Val Lys Arg Glu Lys
        50   55

<210>   124
<211>   127
<212>   PRT
<213>   Homo sapien

<400>   124

Met Gly Glu Leu Cys Ser Arg Met Leu Leu Glu Arg Arg His Cys Asp
1   5   10   15

Gly Cys Val Val Ala Ala Arg Leu Cys Val Lys Arg Glu Ala Glu Gly
            20   25   30

Asp Val Ser Pro Asp Ile Ser Lys Val Trp Val Gly Pro Leu Val Pro
            35   40   45

Glu Ile Leu Leu Gly Gly Met Gly Pro Ala Leu Ser Gly Thr Lys Ile
        50   55   60

Arg Ala Arg Lys Arg Cys Pro Ser Pro Ile Leu Ser Ile Leu Phe Met
65   70   75   80

Ala Glu Lys Ile Ser Ala Gly Cys Gln His Val Pro Met Pro Val Glu
                85   90   95

Asp Met Pro Thr Ser Pro Leu Pro Arg Glu Gln Asp Leu Gly Leu Gly
            100   105   110

Gln Val Glu Lys Ile Pro Asp Phe Phe Arg His Cys Ile Leu Phe
        115   120   125

<210> 125
<211> 121
<212> PRT
<213> Homo sapien

<400> 125

Met Val Arg Ile Leu Ala Asn Gly Glu Ile Val Gln Asp Asp Asp Pro
1   5   10   15

Arg Val Arg Thr Thr Thr Gln Pro Pro Arg Gly Ser Ile Pro Arg Gln
            20   25   30

Ser Phe Phe Asn Arg Gly His Gly Ala Pro Pro Gly Gly Pro Gly Pro
            35   40   45

Arg Gln Gln Gln Ala Gly Ala Arg Leu Gly Ala Ala Gln Ser Pro Phe
        50   55   60

Asn Asp Leu Asn Arg Gln Leu Val Asn Met Gly Phe Pro Gln Trp His
65   70   75   80

Leu Gly Asn His Ala Val Glu Pro Val Thr Ser Ile Leu Leu Leu Phe
            85   90   95

Leu Leu Met Met Leu Gly Val Arg Gly Leu Leu Leu Val Gly Leu Val
            100   105   110

Tyr Leu Val Ser His Leu Ser Gln Arg
        115   120

<210> 126
<211> 67
<212> PRT
<213> Homo sapien

<400> 126

Met Asp Pro Ala Arg Ala Gly Thr Arg Gly Gly Val Pro Ala Pro Pro
1   5   10   15

Ala His Gly Gly Gly Arg Leu Gly Pro Ala Arg Gly Ala Cys Cys Ser
            20   25   30

Pro Ser Arg Pro Pro Arg Pro Pro His Arg His His Ala Pro Val Pro
        35   40   45

Ala Trp Ile Tyr Thr Trp Ala Ser Val Cys Trp Lys Cys Thr Leu Ala
    50   55   60

Gln Thr Leu
65

<210> 127
<211> 64
<212> PRT
<213> Homo sapien

<400> 127

Met Leu Pro Arg Leu Val Ser Asn Cys Leu Cys Val Lys Gln Ser Val
1   5   10   15

His Leu Arg Pro Ser Ala Asn Cys Arg Asp His Arg His Glu Pro Pro
            20   25   30

Leu Pro Ala Thr Met His Ser Glu Arg Ser Arg Asn Arg Glu Cys His
        35   40   45

Ser Thr Thr His Leu Ile Ile Pro Thr Met Thr His Val Ser Gln Arg
    50   55   60

<210> 128
<211> 41
<212> PRT
<213> Homo sapien

<400> 128

Met Asn Phe Gly Lys Ser Ile Met Leu Gln Gly Gln Ala His Ala Pro
1   5   10   15

Gln Tyr Ser Pro Thr Ala Ala Gln Trp Asp Ile Ser Leu Trp Trp His
            20   25   30

Ile Thr Arg Arg Pro Ser Val Leu Ser

35   40

<210> 129
<211> 46
<212> PRT
<213> Homo sapien

<400> 129

Leu Ser Leu Glu His Asp Ala Phe Thr Glu Val His Val Thr Cys Ala
1   5   10   15

Lys Leu Phe Pro Pro Ile Cys Asp Tyr Gly Pro Met Glu Leu Gly Gln
            20   25   30

Ser Leu Trp Glu Ala Glu Gly Lys Asp Pro Gly His Phe Arg
        35   40   45

<210> 130
<211> 58
<212> PRT
<213> Homo sapien

<400> 130

Met Lys Asp Lys Gly Leu Arg His Thr Glu Thr Gly Gln Thr Asn Gly
1   5   10   15

Lys Pro Thr Arg Pro Ala His Asp Gln Asn Ile Thr Gly Arg Pro Pro
            20   25   30

Ala Asn Ala Glu Ala Ser Glu Ser Thr Val Gly Gly Trp Asn Gln Ala
        35   40   45

Pro Gly Asn Leu Ser Ala Ala Phe Arg Leu
    50   55

<210> 131
<211> 87
<212> PRT
<213> Homo sapien

<400> 131

Met Phe Ser Thr Ser Ser Gln Val Cys Ala Leu Cys Pro Phe Ser Gly
1   5   10   15

Ser Leu Glu Leu Pro Pro Ser Leu His Pro Asp Ser Phe Ala Ile Met
            20   25   30

Cys Leu Ile Ser Cys Glu Phe Thr Gly Glu Ala Ile Ser Gln Ile Asn
        35   40   45

Gly Cys Lys Cys Ser Lys Lys Lys Thr Lys Lys Lys Ala Gly Gly
    50   55   60

Asn Arg Gly Gln Ser Leu Ser Pro Gly Gly His Cys Phe Pro Pro Gln
65   70   75   80

Phe Asn Pro His Lys Pro Pro
                85

<210>   132
<211>   264
<212>   PRT
<213>   Homo sapien

<400>   132

Met Arg Pro Leu Leu Gly Leu Leu Leu Val Phe Ala Gly Cys Thr Phe
1   5   10   15

Ala Leu Tyr Leu Leu Ser Thr Arg Leu Pro Arg Gly Arg Arg Leu Gly
        20   25   30

Ser Thr Glu Glu Ala Gly Gly Arg Ser Leu Trp Phe Pro Ser Asp Leu
        35   40   45

Ala Glu Leu Arg Glu Leu Ser Glu Val Leu Arg Glu Tyr Arg Lys Glu
    50   55   60

His Gln Ala Tyr Val Phe Leu Leu Phe Cys Gly Ala Tyr Leu Tyr Lys
65   70   75   80

Gln Gly Phe Ala Ile Pro Gly Ser Ser Phe Leu Asn Val Leu Ala Gly
                85   90   95

Ala Leu Phe Gly Pro Trp Leu Gly Leu Leu Leu Cys Cys Val Leu Thr
            100   105   110

Ser Val Gly Ala Thr Cys Cys Tyr Leu Leu Ser Ser Ile Phe Gly Lys
            115   120   125

Gln Leu Val Val Ser Tyr Phe Pro Asp Lys Val Ala Leu Leu Gln Arg
            130   135   140

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Lys Val Glu Glu Asn Arg Asn Ser Leu Phe Phe Phe Leu Leu Phe Leu
145                 150             155                     160


Arg Leu Phe Pro Met Thr Pro Asn Trp Phe Leu Asn Leu Ser Ala Pro
                165             170                 175


Ile Leu Asn Ile Pro Ile Val Gln Phe Phe Phe Ser Val Leu Ile Gly
                180             185                 190


Leu Ile Pro Tyr Asn Phe Ile Cys Val Gln Thr Gly Ser Ile Leu Ser
                195             200             205


Thr Leu Thr Ser Leu Asp Ala Leu Phe Ser Trp Asp Thr Val Phe Lys
    210             215             220


Leu Leu Ala Ile Ala Met Val Ala Leu Ile Pro Gly Thr Leu Ile Lys
225             230             235                     240


Lys Phe Ser Gln Lys His Leu Gln Leu Asn Glu Thr Ser Thr Ala Asn
                245             250             255


His Ile His Ser Arg Lys Asp Thr
                260
```

```
<210>   133
<211>   35
<212>   PRT
<213>   Homo sapien

<400>   133
```

```
Met Thr Ser Ile Ile Arg Ser Glu Thr Arg Leu Ser Phe Trp Met Leu
1               5               10                      15


Ser Gly Leu Cys Val Arg Glu Tyr Phe Lys Thr Ala Ser Tyr Val Leu
                20              25                  30


Leu Gly Asn
        35
```

```
<210>   134
<211>   39
<212>   PRT
<213>   Homo sapien

<400>   134
```

Met Leu Gly Lys Ala Trp Arg Gly Ile Leu Val Gly Glu Lys Gln Ile
1   5   10   15

Arg Cys Leu Leu Phe Cys Ser Val Ser Lys Ser Pro Lys Lys Cys Gly
            20   25   30

Arg Val Leu Leu Glu Arg Lys
        35

<210> 135
<211> 91
<212> PRT
<213> Homo sapien

<400> 135

Met Phe Cys Val Phe Leu Lys Ser Glu Cys Val Phe Tyr His Cys Ser
1   5   10   15

Val Asn Ala Asn Trp Val Lys Phe Val Asp Ser Gln Ile Tyr Ile Leu
            20   25   30

Thr His Leu Phe Val Pro Phe Phe Leu Ser Val Ile Glu Gln Glu Val
        35   40   45

Leu Lys Ser Pro Ile Thr Ser Ile Ser Leu Thr Leu Pro Phe Phe Ser
    50   55   60

Leu Trp Ile Leu Asn Phe Ser Ile Tyr Phe Val Tyr Phe Glu Gly His
65   70   75   80

Ile His Leu Leu Ser Ser Cys Ile Leu Met Asn
            85   90

<210> 136
<211> 38
<212> PRT
<213> Homo sapien

<400> 136

Gln Pro Gly Gln His Gly Glu Thr Pro Ser Pro Pro Lys Asp Ala Lys
1   5   10   15

Thr Ser Gln Ala Trp Arg Arg Ala Pro Ala Val Pro Gly Thr Arg Gln
            20   25   30

Ala Glu Ala Gly Glu Ser

35

<210> 137
<211> 34
<212> PRT
<213> Homo sapien

<400> 137

Met Leu Leu Ile Arg Phe Tyr Leu Leu Phe Phe Ile His Arg Asp His
1   5   10   15

Lys Gln Ile Ala Asp Pro Gly Phe Ser Asn Trp Ser Ile Cys Leu Ile
            20   25   30

Phe Pro

<210> 138
<211> 82
<212> PRT
<213> Homo sapien

<400> 138

Ser Leu Ser Val Ala Gln Ala Arg Val Gln Trp Arg Asp Pro Gly Ser
1   5   10   15

Leu Gln Pro Leu Pro Pro Gly Phe Lys Arg Phe Leu Ser Leu Ser Leu
            20   25   30

Pro Ser Ser Ala Gly Tyr Arg Arg Ala Pro Pro Pro Cys Pro Ala Leu
        35   40   45

Leu Tyr Phe Ala Val Glu Thr Gly Phe His His Val Gly Gln Ala Gly
    50   55   60

Leu Glu Leu Leu Thr Ser Gly Asn Pro Ala Pro Pro Arg Pro Pro Lys
65   70   75   80

Val Leu

<210> 139
<211> 26
<212> PRT
<213> Homo sapien

<400> 139

Met Leu Asn Ser Phe His Val Phe Leu Asn Gln Leu Thr Asn Asn Phe
1   5   10   15

Glu Leu Val Ile Ser Ile Leu Gly Leu Ile
            20   25

<210> 140
<211> 26
<212> PRT
<213> Homo sapien

<400> 140

Met Thr Ser Ile Pro Ser Ala Pro Gly Glu Lys Pro Gly Pro Arg Pro
1   5   10   15

Asp Pro Leu Lys Pro Asn His Ser Ser Phe
            20   25

<210> 141
<211> 51
<212> PRT
<213> Homo sapien

<400> 141

Val Cys Gly Gly Ser Arg Gln Arg Gln Gly Leu Ala Pro Leu Ser Arg
1   5   10   15

Leu Glu Cys Phe Gly Val Met Thr Ala His Val Asn Leu Glu Phe Leu
            20   25   30

Gly Ser Gly Asp Pro Pro Thr Ser Ala Ser Ala Leu Ala Glu Thr Thr
        35   40   45

Gly Thr Arg
    50

<210> 142
<211> 58
<212> PRT
<213> Homo sapien

<400> 142

Met Leu Gln Ala Arg Pro Pro Ala Ser Gly Lys Asn Gln Asn Thr Thr
1   5   10   15

Leu Lys Gly Gln Pro Ser Leu Gln Pro Ser Pro Cys Arg Glu Pro Ser

<div align="right">20   25   30</div>

Leu Ala Leu Cys Cys Ser His Arg Ser Val Ser Gly Leu Ser Gln Val
   35   40   45

Glu Gly Thr Cys Leu Thr Arg His Leu Cys
  50   55

<210> 143
<211> 16
<212> PRT
<213> Homo sapien

<400> 143

Met Tyr Leu Arg Asp His Leu His Thr Ser Thr Ala Phe Val Cys Arg
1   5   10   15

<210> 144
<211> 84
<212> PRT
<213> Homo sapien

<400> 144

Met Arg Gln Ser Ala Thr Leu Arg Ser Ser Asp His Trp Glu Glu Arg
1   5   10   15

Glu Ser Leu Gln Leu Leu Gly Phe Arg Leu Gln Lys Phe Leu Ala Ala
     20   25   30

Phe Ala His Trp Arg Gly Gly Glu Asp Lys Ser Ile Arg Asn Pro Met
    35   40   45

Phe Pro Ser Ser Pro Thr Glu Arg Thr Lys Glu Val Phe Thr Arg Cys
   50   55   60

Gly Thr Phe Leu Gln Leu Leu Asp Ala Asp Lys Pro Gln Ser Arg Leu
65   70   75   80

Phe Trp Leu Gln

<210> 145
<211> 88
<212> PRT
<213> Homo sapien

<400> 145

Met Ala Leu Glu Pro Gly Val Val Val Gln Val Leu Trp Arg Pro Ser
1   5   10   15

Tyr Ile Met Arg Leu Glu Ala Leu Arg Ile Ser Leu Ser His Gln Arg
            20   25   30

Ser Arg Leu Gln Trp Ala Arg Asp Trp Pro His Cys Ala Pro Ala Trp
        35   40   45

Val Thr Glu Pro Asn Val Val Ser Lys Lys Lys Lys Lys Lys Lys Lys
        50   55   60

Ala Ser Tyr Leu Pro Glu Val Ala Thr Pro Phe Leu Leu Ala Glu Ala
65   70   75   80

Gln Leu Gly Leu Thr Cys Pro Gly
                85

<210> 146
<211> 52
<212> PRT
<213> Homo sapien

<400> 146

Met Leu Leu Leu Gly Asn Met Thr Asn Pro Phe Glu Ala Thr Asn Phe
1   5   10   15

Met Ser Ser Phe Lys Ser Pro Ile Val Val Ile Phe Arg Lys Tyr Tyr
            20   25   30

Leu Thr Tyr Ser Met Ser Asn Ile Asn Leu Ile Lys Ser Leu Tyr Asn
        35   40   45

Ser Lys Lys Thr
        50

<210> 147
<211> 56
<212> PRT
<213> Homo sapien

<400> 147

Met Ser Ile Gly Val Ile Val Trp Thr Arg Gly Arg Val Pro Ile Val
1   5   10   15

Pro Pro Ser Glu Tyr Asp Gly Ser Cys Gly Thr Ala Arg Ser Ile Ala
            20   25   30

Ala Cys Ser Arg Arg Arg Val Asn Val Arg Leu Gln Gly Phe Glu Pro
        35   40   45

Ile His Phe Gln Leu Arg Cys Ile
    50   55

<210> 148
<211> 92
<212> PRT
<213> Homo sapien

<400> 148

Met Ser Ala Leu Asn Pro Gly Gly Gln Arg Gly Val Tyr Glu Ala Arg
1   5   10   15

Val Pro Pro Thr Pro Thr Arg Gly Pro Lys Gly Ala Leu Pro Lys Lys
            20   25   30

Lys Gln Gln Gln Gln Lys Cys Thr Asp Pro Ala Cys Thr Arg Leu Arg
        35   40   45

His Ala Ser Leu Pro Ser Val Arg Leu Asp Pro Pro Pro Pro Ala Cys
        50   55   60

Ile Lys Ser Gly Pro His Pro Pro Gly Arg Arg Ser Ile His His Met
65   70   75   80

Ala Pro Leu Glu His Asp Leu Glu Glu Gln Arg Leu
            85   90

<210> 149
<211> 22
<212> PRT
<213> Homo sapien

<400> 149

Met Val Val Lys Asp His Leu Gly Ser Gln Gly Val Glu Gly Gly Gly
1   5   10   15

Ile Gln Phe His Arg Lys
            20

<210> 150

<211> 254
<212> PRT
<213> Homo sapien

<400> 150

Met Glu Phe Pro Lys Met Leu Thr Arg Lys Ile Lys Leu Trp Asp Ile
1   5   10   15

Asn Ala His Ile Thr Cys Arg Leu Cys Ser Gly Tyr Leu Ile Asp Ala
            20   25   30

Thr Thr Val Thr Glu Cys Leu His Thr Phe Cys Arg Ser Cys Leu Val
            35   40   45

Lys Tyr Leu Glu Glu Asn Asn Thr Cys Pro Thr Cys Arg Ile Val Ile
        50   55   60

His Gln Ser His Pro Leu Gln Tyr Ile Gly His Asp Arg Thr Met Gln
65   70   75   80

Asp Ile Val Tyr Lys Leu Val Pro Gly Leu Gln Glu Ala Glu Met Arg
            85   90   95

Lys Gln Arg Glu Phe Tyr His Lys Leu Gly Met Glu Val Pro Gly Asp
            100   105   110

Ile Lys Gly Glu Thr Cys Ser Ala Lys Gln His Leu Asp Ser His Arg
        115   120   125

Asn Gly Glu Thr Lys Ala Asp Asp Ser Ser Asn Lys Glu Ala Ala Glu
    130   135   140

Glu Lys Pro Glu Glu Asp Asn Asp Tyr His Arg Ser Asp Glu Gln Val
145   150   155   160

Ser Ile Cys Leu Glu Cys Asn Ser Ser Lys Leu Arg Gly Leu Lys Arg
            165   170   175

Lys Trp Ile Arg Cys Ser Ala Gln Ala Thr Val Leu His Leu Lys Lys
            180   185   190

Phe Ile Ala Lys Lys Leu Asn Leu Ser Ser Phe Asn Glu Leu Asp Ile
        195   200   205

Leu Cys Asn Glu Glu Ile Leu Gly Lys Asp His Thr Leu Lys Phe Val

```
              210                    215                    220
```

```
Val Val Thr Arg Trp Arg Phe Lys Lys Ala Pro Leu Leu Leu His Tyr
225                 230                 235                 240
```

```
Arg Pro Lys Met Asp Leu Leu Arg Pro Lys Met Asp Leu Leu
                245                 250
```

```
<210>   151
<211>   40
<212>   PRT
<213>   Homo sapien
```

```
<400>   151
```

```
Met Gly Thr Arg Tyr Tyr Ile Leu Glu Phe Val Leu Arg Arg His Lys
1               5                   10                  15
```

```
Leu Asn Ser Arg Ser Leu Cys Pro Lys Phe His Arg Leu Lys Lys Arg
                20                  25                  30
```

```
Ser Ser Asn Tyr Arg Ser Gly Tyr
            35                  40
```

```
<210>   152
<211>   42
<212>   PRT
<213>   Homo sapien
```

```
<400>   152
```

```
Met Glu Asn Ser Gln Glu Met Asn Glu Lys Arg Leu Cys Glu Ser Tyr
1               5                   10                  15
```

```
Ala Thr Val Tyr Ile Thr Ser Cys Glu Ala Ile Arg Leu Lys Thr Arg
                20                  25                  30
```

```
Ala Asn Leu Lys Thr Lys Leu Phe Ser Cys
            35                  40
```

```
<210>   153
<211>   51
<212>   PRT
<213>   Homo sapien
```

```
<400>   153
```

```
Met Leu Leu Ser Tyr Ile Ser Gly Arg Phe Leu Ser Thr Arg Lys Glu
1               5                   10                  15
```

Asn Thr Gly Leu Ala Lys Gln Gly Pro Leu Phe Gly Ile Ile Phe Val
            20   25   30

Pro Asn Lys Gln Ser Arg Gly Trp Val Cys Trp Leu Val Lys Glu Leu
        35   40   45

Leu Arg Phe
    50

<210> 154
<211> 63
<212> PRT
<213> Homo sapien

<400> 154

Met Leu Glu Pro Ala Ala Ser Met Ile Gly Met Pro Gly Gln Val Gly
1   5   10   15

Ser Arg Gly Gly Cys Ser Asp Arg Arg Val His Ser Ser Tyr Asn Arg
            20   25   30

Gly Val Leu Asp Phe Ile Leu Gln Ser Glu Leu Ser Thr Phe Ala Phe
        35   40   45

Trp Arg Thr Gln Val Thr Ala His Leu Pro Phe Leu Leu Glu Pro
    50   55   60

<210> 155
<211> 50
<212> PRT
<213> Homo sapien

<400> 155

Met Lys Pro Lys Lys Lys Lys Arg Gln Lys Lys Arg Val Leu Trp
1   5   10   15

Gly Asn Pro Gly Gly Leu Arg Met Cys Ser Leu Val Cys Arg Thr Ile
            20   25   30

Val Val Pro Val Pro Asn Phe Pro Pro Tyr Ser Ser Val Asp Asp Lys
        35   40   45

Arg Gly
    50

<210> 156
<211> 35
<212> PRT
<213> Homo sapien

<400> 156

Met Phe Tyr Leu Gly Phe Arg Val Asn Lys Lys Lys Thr Cys Val
1   5   10   15

Leu Ser Phe Cys Asp Arg Thr Glu His Ile Thr Arg Arg Lys Arg Gly
            20   25   30

Gly Arg Lys
        35

<210> 157
<211> 73
<212> PRT
<213> Homo sapien

<400> 157

Met Gly Arg Cys Ser Leu Phe Thr Pro Ala Ala Ile Gly Glu Arg Gly
1   5   10   15

Ile Gln Leu Ile Ser Tyr Leu Tyr Arg Met Asp Tyr Leu Cys Lys Asn
            20   25   30

Lys Asn Leu Gln Thr Lys Asp Ile Val Glu Leu His Tyr Pro Pro Ser
        35   40   45

Gln Asp Glu Ser Thr Asp Met Gln His His Asp His Glu Gln Met Val
    50   55   60

Pro Leu Gly Met Pro Met Val Gly His
65   70

<210> 158
<211> 82
<212> PRT
<213> Homo sapien

<400> 158

Met Tyr Leu Ser Val Cys Val Cys Val Cys Val Cys Tyr Gly Gly Arg
1   5   10   15

Gly Gly Phe Phe Lys Ile Ser Val Val Cys Gly Phe Phe Phe His Thr
            20   25   30

Leu Val Pro Thr Ile Ala Cys Pro Gly Thr Thr Ala Trp His Tyr Arg
    35   40   45

Met Leu Gly Ser Ser Gly Glu Gly Ser Glu Ala His His Cys Pro Leu
    50   55   60

Phe Trp Arg Phe Leu Phe Leu His Lys Val Val His Pro Ile Gln Ile
65   70   75   80

Ala Asp

<210> 159
<211> 82
<212> PRT
<213> Homo sapien

<400> 159

Met Leu Asn Thr Cys Arg Val Ile Leu Val Val Phe Ser Gln Pro Phe
1   5   10   15

Ile Lys Phe Leu Val Thr Ser Val Met Met Thr Phe His Thr Pro Ile
        20   25   30

Thr Ser Lys Ala Phe Leu His Leu Ala Asp Pro Ser Tyr Gly Pro Ala
        35   40   45

Val Ser His Ala Val Thr Thr Ser Gly Thr Asp Leu Thr Ala Leu Arg
        50   55   60

Ala Ser Ser Ser Leu Ala Gly Arg Thr Ser Ala Ala Ser Ser Ile Thr
65   70   75   80

Lys Gly

<210> 160
<211> 200
<212> PRT
<213> Homo sapien

<400> 160

Met Arg Arg Lys Arg Lys Thr Arg Leu Ser Val Arg Pro Gly Ser Glu
1   5   10   15

Leu Ser Lys Leu Pro Arg Leu Ala Leu Asn Gln Asn His Phe Ala Ser
        20   25   30

Gln Pro Arg Pro Leu Gly Tyr Thr Ala Leu Asn Gly Pro Ala Asn Ala
        35   40   45

Gly His Ser Ile Ser Leu Val Leu Glu Thr Arg Glu Leu Lys Gln Ser
    50   55   60

Ile Pro Leu Ser Asn Lys Ile Met Asp Ser Ala Lys Lys Lys Gln Lys
65   70   75   80

Lys Lys Lys Gly Cys Gly Gly Thr Pro Gly Ala Ile Arg Gly Pro Gly
            85   90   95

Cys Glu Leu Val Ser Arg Ser Ile His Ser Asp Thr His Thr Ser Arg
        100   105   110

Lys Lys Lys Glu Glu Asn Thr Ser Glu Lys Arg Lys Asn Thr Thr Arg
        115   120   125

Arg Lys Lys Lys Pro Glu Lys Ala Thr Arg Lys Gln Arg Glu Asn Lys
    130   135   140

Arg Ala Arg Gly Lys Arg Asp Ala Arg Lys Lys Lys Gln Glu Pro Gln
145   150   155   160

Ala Glu Thr Glu Thr Ser Lys Gly Thr Gln Arg Arg Thr Thr Lys Arg
            165   170   175

Ser Gln Glu Gln Thr Lys Ala Arg His Lys Ala Asp Asp Glu Arg Gly
        180   185   190

Thr Arg Lys Glu Arg Lys Arg Glu
        195   200

<210> 161
<211> 38
<212> PRT
<213> Homo sapien

<400> 161

Met Asp Ala Trp Ser Arg Arg Gly Thr Glu Ser Cys Tyr Phe Ser Leu
1   5   10   15

Arg Pro Tyr Leu Ala Ala Phe Ile Asn Ala Ser Glu Leu Tyr Val Ile
            20   25   30

Ile Ile Trp Ile Tyr Thr
        35

<210> 162
<211> 66
<212> PRT
<213> Homo sapien

<400> 162

Met Asp Ala Gln Trp Ser Gly Arg Ser Asp Val Trp Ser Ser Glu Val
1   5   10   15

Glu Lys His Glu Ser Lys Asp Gln His Leu Gly Val Leu Leu Leu Cys
            20   25   30

Leu Val Asn Arg Gly Leu Arg Ala Val Phe His Leu Val Pro Phe Ser
            35   40   45

Glu Asp Gln Ile Pro Arg Leu Gln Ser Met Gln Gly Leu His Arg Trp
    50   55   60

Leu Leu
65

<210> 163
<211> 76
<212> PRT
<213> Homo sapien

<400> 163

Met Gly Glu Leu Gly Arg Glu Thr Lys Phe His Pro Gly Pro Leu Trp
1   5   10   15

Pro Arg Val Pro Gln Ala Phe Phe Phe Phe Val Phe Phe Phe Phe Arg
            20   25   30

Leu Leu Met Asp Leu Gln Arg Leu Glu Gln Pro Phe Arg Gln Thr Gln
            35   40   45

Val Thr Ser Ile Glu Ser Leu Leu Asn Leu Ser Glu Ile Tyr Met Leu
    50   55   60

Glu Leu Gln Val Asn Ser Pro Val Asn Thr Gln Ala
65   70   75

<210>   164
<211>   69
<212>   PRT
<213>   Homo sapien

<400>   164

Met His Val Pro Met Arg Glu Ser Met His Val Cys Ala Tyr Glu His
1   5   10   15

Lys Leu Leu Cys Trp Arg Gly Ser Trp Glu Arg Arg Gly Glu His Ala
            20   25   30

Leu Leu Val Ile His Ile His Ser Tyr Val Cys Thr His Asn Ile His
            35   40   45

Pro Glu Pro Val Ser Gln Ile Asp Gly Ser Lys Ser Leu Ser Tyr Arg
    50   55   60

Arg Pro Asp Pro Thr
65

<210>   165
<211>   53
<212>   PRT
<213>   Homo sapien

<400>   165

Met Leu Pro Phe Ser Gly Leu Val Tyr Thr Leu Phe Phe Val Phe Phe
1   5   10   15

Phe Val Arg Gln Asp Leu Ala Leu Ser Ala Arg Leu Glu Cys Ser Gly
            20   25   30

Thr Gly Met Ile His Cys Arg Thr Pro Gly Leu Lys Arg Phe Thr Cys
            35   40   45

Leu Lys Pro Leu Met
    50

<210>   166
<211>   86
<212>   PRT
<213>   Homo sapien

<400> 166

Glu Thr Gly Ser Cys Ser Val Cys Gln Ala Gly Val Gln Trp His Arg
1   5   10   15

Tyr Asp Ser Leu Gln Asn Ser Trp Ala Gln Glu Ile His Leu Pro Ala
                20   25   30

Ala Ser His Val Ala Gly Asp His Ser Ala Tyr Gly His Thr Trp Cys
            35   40   45

Leu Gln Pro His Leu Ala Asn Phe Leu Phe Phe Phe Asn Gly Asn Lys
        50   55   60

Val Ser Leu Cys Cys Pro Val Trp Ser Ala Thr Pro Glu Ile Gln Arg
65   70   75   80

Ser Ser His Leu Gly Ile
                85

<210> 167
<211> 52
<212> PRT
<213> Homo sapien

<400> 167

Met Glu Arg His Gly Glu Ile Phe Leu Pro Thr Leu Asn Tyr Ser Asn
1   5   10   15

Tyr Ser Lys Thr Ser Asn Leu Lys Thr Asn Arg Arg Ser Pro Thr Gly
                20   25   30

Leu Lys Arg Arg Met Arg Asp Lys Glu Lys Ser Val Trp Leu Pro Leu
        35   40   45

Leu Ser Thr Asp
        50